

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: May 28, 2004, 14:33:06 ; Search time 22 Seconds  
(without alignments)  
661.751 Million cell updates/sec

Title: US-10-063-567-60  
Perfect score: 1431  
Sequence: 1 MASLGQILFWSIIIIIIILA.....SSPFAISWALLPLSPYMLK 282

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues  
Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000  
Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
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4	246.5	17.2	316	4	US-09-620-461-24
5	245	17.1	340	4	US-09-651-200-2
6	245	17.1	441	4	US-09-651-200-4
7	245	17.1	534	4	US-09-651-200-6
8	245	17.1	534	4	US-09-651-200-24
9	238.5	16.7	315	4	US-09-910-174B-28
10	238.5	16.7	315	4	US-09-620-461-28
11	223	15.6	513	4	US-09-910-174B-18
12	223	15.6	513	4	US-09-620-461-18
13	217.5	15.2	540	2	US-08-724-394A-6
14	215.5	15.1	731	4	US-09-910-174B-15
15	215.5	15.1	731	4	US-09-620-461-15
16	213.5	14.9	584	4	US-09-910-174B-16
17	213.5	14.9	584	4	US-09-620-461-16
18	212.5	14.8	610	2	US-08-724-394A-5
19	211.5	14.8	526	4	US-09-910-174B-9
20	211.5	14.8	526	4	US-09-620-461-9
21	211.5	14.8	589	2	US-08-724-394A-1
22	207.5	14.5	319	4	US-09-910-174B-12
23	207.5	14.5	319	4	US-09-620-461-12
24	207.5	14.5	342	2	US-08-724-394A-6
25	207.5	14.5	357	4	US-09-910-174B-14
26	207.5	14.5	357	4	US-09-620-461-14
27	204	14.3	290	4	US-09-910-174B-19

Query Match	100.0%;	Score 1431;	DB 4;	Length 282;
Best Local Similarity	100.0%;	Pred. No. 2.8e-138;		
Matches 282;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	MASLGQILFWSIIIIIIILA	GALIIIGFISGRHSITVTTVASAGNIGEDGILSCTFEP	60
Db	1	MASLGQILFWSIIIIIIILA	GALIIIGFISGRHSITVTTVASAGNIGEDGILSCTFEP	60
Qy	61	DIKLSDIVIOWLKEGVLGLVHPEFKGKDELSQDENMFRGRTAVFADQVIVGNASLRLKV	120	
Db	61	DIKLSDIVIOWLKEGVLGLVHPEFKGKDELSQDENMFRGRTAVFADQVIVGNASLRLKV	120	
Qy	121	QLTDAGTYKCYITTSKGNANLEYKTGAPSPENVNDYNASSETLRCEAPRFFOPTVV	180	
Db	121	QLTDAGTYKCYITTSKGNANLEYKTGAPSPENVNDYNASSETLRCEAPRFFOPTVV	180	
Qy	181	WASQVQGANFSEVNTSFEIASENVTMKVSVLYNVNTNTYSCMIENDIAKATGDIKV	240	
Db	181	WASQVQGANFSEVNTSFEIASENVTMKVSVLYNVNTNTYSCMIENDIAKATGDIKV	240	
Qy	241	TESEIKRSHLOLLNKSALCVSSFFAISWALLPLSPYMLK	282	
Db	241	TESEIKRSHLOLLNKSALCVSSFFAISWALLPLSPYMLK	282	

RESULT 2  
US-09-404-879A-392  
; Sequence 392, Application US/09404879A  
; Patent No. 6468546

ALIGNMENTS

RESULT 1  
US-09-404-879A-393  
; Sequence 393, Application US/09404879A  
; Patent No. 6468546  
; GENERAL INFORMATION:  
; APPLICANT: Mitcham, Jennifer L.  
; APPLICANT: King, Gordon E.  
; APPLICANT: Algate, Paul A.  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
; TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER  
; FILE REFERENCE: 210121.462C2  
; CURRENT APPLICATION NUMBER: US/09/404,879A  
; CURRENT FILING DATE: 1999-09-24  
; NUMBER OF SEQ ID NOS: 393  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 393  
; LENGTH: 282  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-09-404-879A-393

28	204	14.3	290	4	US-09-620-461-19	Sequence 19, Appl
29	204	14.3	350	4	US-09-651-200-25	Sequence 25, Appl
30	204	14.3	350	4	US-09-910-174B-17	Sequence 17, Appl
31	204	14.3	350	4	US-09-620-461-17	Sequence 17, Appl
32	199.5	13.9	290	4	US-09-910-174B-32	Sequence 32, Appl
33	196	13.7	296	4	US-09-667-135-36	Sequence 36, Appl
34	193	13.5	527	4	US-09-910-174B-10	Sequence 10, Appl
35	193	13.5	527	4	US-09-620-461-10	Sequence 10, Appl
36	192	13.4	329	4	US-09-651-200-18	Sequence 18, Appl
37	192	13.4	329	4	US-09-303-040-6	Sequence 6, Appl
38	188.5	13.2	290	4	US-09-910-174B-8	Sequence 8, Appl
39	188.5	13.2	290	4	US-09-620-461-8	Sequence 8, Appl
40	186	13.0	529	4	US-09-910-174B-13	Sequence 13, Appl
41	186	13.0	529	4	US-09-620-461-13	Sequence 13, Appl
42	186	13.0	581	2	US-08-724-394A-2	Sequence 2, Appl
43	179	12.5	523	4	US-09-910-174B-11	Sequence 11, Appl
44	179	12.5	523	4	US-09-620-461-11	Sequence 11, Appl
45	179	12.5	581	2	US-08-724-394A-3	Sequence 3, Appl

GENERAL INFORMATION:  
 APPLICANT: Mitcham, Jennifer L.  
 APPLICANT: King, Gordon E.  
 APPLICANT: Algate, Paul A.  
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
 TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER  
 FILE REFERENCE: 210121.462C2  
 CURRENT APPLICATION NUMBER: US/09/404,879A  
 NUMBER OF SEQ ID NOS: 393  
 SOFTWARE: FastSeq for Windows Version 3.0  
 SEQ ID NO 392  
 LENGTH: 309  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-09-404-879A-392

Query Match 100.0%; Score 1431; DB 4; Length 309;  
 Best Local Similarity 100.0%; Pred. No. 3.2e-138;  
 Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MASIGQLFWISIIIIILAGALIIIGFISGRHSITVTVASAGNIGDGLSCTFP 60  
 Db 28 MASIGQLFWISIIIIILAGALIIIGFISGRHSITVTVASAGNIGDGLSCTFP 87  
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 Db 88 DIKLSDIVIOWKEGVLGVHEPKGKDELSEODEMFRGTAVFADQVIVGNASLRLKNV 147  
 Qy 121 QLTDAAGYKCIITTSKGNANLEYKTAGFSPMEPVNDYNASSETLRCEAPRFPPTVV 180  
 Db 148 QLTDAAGYKCIITTSKGNANLEYKTAGFSPMEPVNDYNASSETLRCEAPRFPPTVV 207  
 Qy 181 WASOVDOGANFSEVNTSFLNSENVTMKVSVLYNVTINNTYSCHIENDIAKATGDIKV 240  
 Db 208 WASOVDOGANFSEVNTSFLNSENVTMKVSVLYNVTINNTYSCHIENDIAKATGDIKV 267  
 Qy 241 TESIKRSHQLLNKASLCVSSFFAISWALLPLSPYLMK 282  
 Db 268 TESIKRSHQLLNKASLCVSSFFAISWALLPLSPYLMK 309

RESULT 3  
 US-09-910-174B-24  
 Sequence 24, Application US/09910174B  
 Patent No. 6630575  
 GENERAL INFORMATION:  
 APPLICANT: Coyle, Anthony J.  
 APPLICANT: Fraser, Christopher C.  
 APPLICANT: Manning, Stephen  
 TITLE OF INVENTION: B7-H2 Molecules, No. 6630575el Members of the B7  
 TITLE OF INVENTION: Family and Uses Thereof  
 FILE REFERENCE: 35800/236924  
 CURRENT APPLICATION NUMBER: US/09/910,174B  
 CURRENT FILING DATE: 2001-07-20  
 PRIOR APPLICATION NUMBER: US 09/620,461  
 PRIOR FILING DATE: 2000-07-20  
 NUMBER OF SEQ ID NOS: 32  
 SOFTWARE: FastSeq for Windows Version 4.0  
 SEQ ID NO 24  
 LENGTH: 316  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-09-910-174B-24

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 Best Local Similarity 30.2%; Pred. No. 7e-17;  
 Matches 70; Conservative 44; Mismatches 99; Indels 19; Gaps 9;

Qy 21 GAIALIIGFISGRHSITVTVASAGNIGDGLSCTFP--BPDIKLSDIVIOWKEGVLG 78  
 Db 15 GAALGALWFLCTGALEVPEDPVVALVGTATLCCSFSPGFSLAQLNLINQLTDTKQ 74  
 Qy 79 LVHEPKGKDELSEODEMFRGTAVFADQVIVGNASLRLKNVLTDAAGYKCIITTSK 138  
 Db 75 LVHSPFAEGQD----QGSAYANRTALFPDLLAQGNASLRLQVRVADGSETCP-VSIRDF 129  
 Qy 139 GNANLEYKTGA-FSPMEPVNDYN-----ASSETLRCEAPRFPPTVVASQVDQGANFS 192  
 Db 130 GSAAVSLQVAAPYKSPKSMLEPNKDLRFGDTVTITCSSYRGYPEAEVFW--QDQGVPLT 187  
 Qy 193 EVSNITSEFLNSENVTMKVSVLYNVT-INNTYSCHIENDIAK--ATGDIKVT 241  
 Db 188 GNVTTTS-QMANEQGLFDVHSLRVVLGANGTYSCLVRNPVLQDPAHGSVIT 238

RESULT 4  
 US-09-620-461-24  
 Sequence 24, Application US/09620461  
 Patent No. 6635750  
 GENERAL INFORMATION:  
 APPLICANT: Coyle, Anthony J.  
 APPLICANT: Fraser, Christopher C.  
 APPLICANT: Manning, Stephen  
 TITLE OF INVENTION: B7-H2 Molecules, No. 6635750el Members of the B7  
 TITLE OF INVENTION: Family and Uses Thereof  
 FILE REFERENCE: 5800-149  
 CURRENT APPLICATION NUMBER: US/09/620,461  
 CURRENT FILING DATE: 2000-07-20  
 NUMBER OF SEQ ID NOS: 29  
 SOFTWARE: FastSeq for Windows Version 3.0  
 SEQ ID NO 24  
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 US-09-620-461-24

Query Match 17.2%; Score 246.5; DB 4; Length 316;  
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 Matches 70; Conservative 44; Mismatches 99; Indels 19; Gaps 9;

Qy 21 GAIALIIGFISGRHSITVTVASAGNIGDGLSCTFP--BPDIKLSDIVIOWKEGVLG 78  
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RESULT 5  
 US-09-651-200-2  
 Sequence 2, Application US/09651200  
 Patent No. 6429303  
 GENERAL INFORMATION:  
 APPLICANT: Green et al  
 TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B  
 TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and  
 TITLE OF INVENTION: Polypeptides Encoded Thereby  
 FILE REFERENCE: 15966-542 (CURA-62)  
 CURRENT APPLICATION NUMBER: US/09/651,200  
 CURRENT FILING DATE: 2000-08-30  
 PRIOR APPLICATION NUMBER: 60/152383  
 PRIOR FILING DATE: 1999-09-03  
 PRIOR APPLICATION NUMBER: 60/172909  
 PRIOR FILING DATE: 1999-12-21  
 PRIOR APPLICATION NUMBER: 60/183578  
 PRIOR FILING DATE: 2000-02-18

GENERAL INFORMATION:  
 APPLICANT: Mitcham, Jennifer L.  
 APPLICANT: King, Gordon E.  
 APPLICANT: Algate, Paul A.  
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
 TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER  
 FILE REFERENCE: 210121.462C2  
 CURRENT APPLICATION NUMBER: US/09/404,879A  
 NUMBER OF SEQ ID NOS: 393  
 SOFTWARE: FastSeq for Windows Version 3.0  
 SEQ ID NO 392  
 LENGTH: 309  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-09-404-879A-392

Query Match 100.0%; Score 1431; DB 4; Length 309;  
 Best Local Similarity 100.0%; Pred. No. 3.2e-138;  
 Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MASIGQLFWISIIIIILAGALIIIGFISGRHSITVTVASAGNIGDGLSCTFP 60  
 Db 28 MASIGQLFWISIIIIILAGALIIIGFISGRHSITVTVASAGNIGDGLSCTFP 87  
 Qy 61 DIKLSDIVIOWKEGVLGVHEPKGKDELSEODEMFRGTAVFADQVIVGNASLRLKNV 120  
 Db 88 DIKLSDIVIOWKEGVLGVHEPKGKDELSEODEMFRGTAVFADQVIVGNASLRLKNV 147  
 Qy 121 QLTDAAGYKCIITTSKGNANLEYKTAGFSPMEPVNDYNASSETLRCEAPRFPPTVV 180  
 Db 148 QLTDAAGYKCIITTSKGNANLEYKTAGFSPMEPVNDYNASSETLRCEAPRFPPTVV 207  
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 Db 208 WASOVDOGANFSEVNTSFLNSENVTMKVSVLYNVTINNTYSCHIENDIAKATGDIKV 267  
 Qy 241 TESIKRSHQLLNKASLCVSSFFAISWALLPLSPYLMK 282  
 Db 268 TESIKRSHQLLNKASLCVSSFFAISWALLPLSPYLMK 309

RESULT 3  
 US-09-910-174B-24  
 Sequence 24, Application US/09910174B  
 Patent No. 6630575  
 GENERAL INFORMATION:  
 APPLICANT: Coyle, Anthony J.  
 APPLICANT: Fraser, Christopher C.  
 APPLICANT: Manning, Stephen  
 TITLE OF INVENTION: B7-H2 Molecules, No. 6630575el Members of the B7  
 TITLE OF INVENTION: Family and Uses Thereof  
 FILE REFERENCE: 35800/236924  
 CURRENT APPLICATION NUMBER: US/09/910,174B  
 CURRENT FILING DATE: 2001-07-20  
 PRIOR APPLICATION NUMBER: US 09/620,461  
 PRIOR FILING DATE: 2000-07-20  
 NUMBER OF SEQ ID NOS: 32  
 SOFTWARE: FastSeq for Windows Version 4.0  
 SEQ ID NO 24  
 LENGTH: 316  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-09-910-174B-24

Query Match 17.2%; Score 246.5; DB 4; Length 316;  
 Best Local Similarity 30.2%; Pred. No. 7e-17;  
 Matches 70; Conservative 44; Mismatches 99; Indels 19; Gaps 9;

Qy 21 GAIALIIGFISGRHSITVTVASAGNIGDGLSCTFP--BPDIKLSDIVIOWKEGVLG 78  
 Db 15 GAALGALWFLCTGALEVPEDPVVALVGTATLCCSFSPGFSLAQLNLINQLTDTKQ 74

OM protein - nucleic search, using frame\_plus\_p2n model

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3054.262 Million cell updates/sec

Title: US-10-063-567-60

Perfect score: 1431

Sequence: 1 MASLGQLFWSIIIIIIIIA.....SSPFAISWALLPLSPYMLX 282

Scoring table:

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Searched: 2960401 seqs, 227450654 residues

Total number of hits satisfying chosen parameters: 5920802

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%  
Listing first 45 summaries

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- 19: /cgn2\_6/ptodata/1/pubpna/US60\_PUBCOMB.seq:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length DB	ID	Description
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2	1431	100.0	1065	9	US-09-877-065-5	Sequence 5, Appli
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4	1431	100.0	1658	9	US-09-989-723-290	Sequence 290, App
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38	1431	100.0	1658	10	US-09-990-726-290	Sequence 290, App
39	1431	100.0	1658	10	US-09-997-559-290	Sequence 290, App
40	1431	100.0	1658	10	US-09-997-601-290	Sequence 290, App
41	1431	100.0	1658	10	US-09-990-443-290	Sequence 4, Appli
42	1431	100.0	1658	10	US-09-929-769-4	Sequence 290, App
43	1431	100.0	1658	10	US-09-991-854-290	Sequence 290, App
44	1431	100.0	1658	10	US-09-997-628-290	Sequence 290, App
45	1431	100.0	1658	10	US-09-997-683-290	Sequence 290, App

#### ALIGNMENTS

RESULT 1  
US-09-915-789A-6  
; Sequence 6, Application US/09945789A  
; Patent No. US20020168762A1  
; GENERAL INFORMATION:  
; APPLICANT: Chen, Lieping  
; TITLE OF INVENTION: B7-H3 AND B7-H4, NOVEL IMMUNOREGULATORY  
; TITLE OF INVENTION: MOLECULES  
; FILE REFERENCE: 07039-219001  
; CURRENT APPLICATION NUMBER: US/09/915,789A  
; CURRENT FILING DATE: 2002-06-04  
; PRIOR APPLICATION NUMBER: US 60/220,991  
; PRIOR FILING DATE: 2000-07-27  
; NUMBER OF SEQ ID NOS: 23  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 6  
; LENGTH: 849  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-915-789A-6

Alignment Scores: 1.7e-172 Length: 849  
Pred. No.: 849

Score: 1431.00 Matches: 282  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 100.00% Indels: 0  
DB: 9 Gaps: 0

US-10-063-567-60 (1-282) x US-09-915-789A-6 (1-849)

Qy 1 MetAlaSerLeuGlyGlnIleLeuPheTrpSerIleIleSerIleIleIleLeuAla 20  
Db 1 ATGGCTTCCCTGGGCGACATCTCTCTGGAGCATATAGCATCATCATATTCTGGCT 60  
Qy 21 GlyAlaIleAlaLeuIleIleIleGlyPheGlyLeuSerGlyArgHisSerIleThrValThr 40  
Db 61 GGAGCAATTCACATCATCATCTGGCTTTGGTATTTTCAGGAGACATCCATCATCATCT 120  
Qy 41 ThrValAlaSerAlaGlyAsnIleGlyLeuAspGlyIleLeuSerCysThrPheGluPro 60  
Db 121 ACTGTGCGCTCAGCTGGGACATTTGGGAGCATGGATCTCTGAGCTGCATCTTTGAACCT 180  
Qy 61 AspIleLeuSerAspIleValIleGlnTrpLeuGlyGlyValLeuGlyValVal 80  
Db 181 GACATCAAACTTCTGTATCTGATCAATGGCTTGAAGAGGTGTTTAGGCTTGGTC 240  
Qy 81 HisGluPheLeuGlyGlyLeuAspGlyLeuSerGlyGlnAspGluMetPheArgGlyArg 100  
Db 241 CATGAGTTCAGAGAGGCAAGATGAGCTGTGGAGCAGGATGAATGTTTCAGAGGCGG 300  
Qy 101 ThrAlaValPheAlaAspGlnValIleValGlyAsnAlaSerLeuArgLeuValVal 120  
Db 301 ACAGCAGTGTCTGCTGATCAATGATAGTGGCAATGGCTCTTTGGGCTGAAACGCTG 360  
Qy 121 GlnLeuThrAspAlaGlyThrTrpLeuGlyCysTrpIleIleThrSerLeuGlyValVal 140  
Db 361 CAATCTCAGAGTGTGGCACTTCAATGTTATATCACTCTTCAAGGCGAGGGGAT 420  
Qy 141 AlaAsnLeuGlyTrpTrpIleValAlaPheSerMetProGluValAsnValAspTrpAsn 160  
Db 421 GCTAACCTTGTAGTATAAACTCGAGGCTTCAGCATGCCGAAAGTGAATGTGCACTATAAT 480  
Qy 161 AlaSerSerGluThrLeuArgCysGluAlaProArgTrpPheProGlnProThrValVal 180  
Db 481 GCAGCTCAGAGACCTTGGGCTGTAGGCTTCCCGATGTTTCCCGAGCCCACTGTGTC 540  
Qy 181 TrpAlaSerGlnValAspGlnGlyAlaAsnPheSerGlyValSerAsnThrSerPheGlu 200  
Db 541 TGGGCAATCCCAAGTTCAGCAGGAGGCACTTCTCGGAAGTCTCCCAATACCACTTTGAG 600  
Qy 201 LeuAsnSerGluAsnValThrMetLeuValValSerValLeuTrpAsnValThrIleAsn 220  
Db 601 CTGAATCTGAGAAATGTGACCATGAAGGTGTGTGTCTGTCTTACAAATGTTACGATCAAC 660  
Qy 221 AsnThrTrpSerCysMetIleGluAsnAspIleAlaIleAlaThrGlyAspIleValVal 240  
Db 661 AACACATATCTCTGTATGATTGAATGACATTTGCCAAGCAACAGGCGATATCAAGTG 720  
Qy 241 ThrGluSerGlnIleLeuArgArgSerHisLeuGlnLeuAsnSerIleValSerIleu 260  
Db 721 ACAGATCGGAGATCAAAAGCGGAGTCACTACAGCTGTCTGCTTACAACTCAAGGCTTCTG 780  
Qy 261 CysValSerSerPheAlaIleSerTrpAlaLeuLeuProLeuSerProTrpLeuMet 280  
Db 781 TGTGTCTCTTCTTCTTCTTGTGCACTGAGCTGGGCACTTCTGCTCTTACGCTTACCTGATG 840  
Qy 281 LeuLys 282  
Db 841 CTAATAA 846

Sequence 2  
US-09-877-065-5  
Sequence 5, Application US/09877065  
Patent No. US20020051990A1  
GenBank INFORMATION:

APPLICANT: OPLE, ERIC  
APPLICANT: MCLACHLAN, KAREN  
APPLICANT: HEARD, CHERYL J.  
TITLE OF INVENTION: NOVEL GENE TARGETS AND LIGANDS THAT BIND THEREO FOR  
TREATMENT AND DIAGNOSIS OF OVARIAN CARCINOMAS  
FILE REFERENCE: 037003-0280631  
CURRENT APPLICATION NUMBER: US/09/877,065  
CURRENT FILING DATE: 2001-06-11  
PRIOR APPLICATION NUMBER: 60/210,451  
PRIOR FILING DATE: 2000-06-09  
NUMBER OF SEQ ID NOS: 14  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 5  
LENGTH: 1065  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-877-065-5

Alignment Scores:  
Pred. No.: 2,46e-172 Length: 1065  
Score: 1431.00 Matches: 282  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 100.00% Indels: 0  
DB: 9 Gaps: 0

US-10-063-567-60 (1-282) x US-09-877-065-5 (1-1065)

Qy 1 MetAlaSerLeuGlyGlnIleLeuPheTrpSerIleIleSerIleIleIleLeuAla 20  
Db 72 ATGGCTTCCCTGGGCGACATCTCTCTGGAGCATATAGCATCATCATATTCTGGCT 131  
Qy 21 GlyAlaIleAlaLeuIleIleGlyPheGlyLeuSerGlyArgHisSerIleThrValThr 40  
Db 132 GGAGCAATTCACATCATCTGGCTTTGGTATTTTCAGGAGACATCCATCATCATCT 191  
Qy 41 ThrValAlaSerAlaGlyAsnIleGlyLeuAspGlyIleLeuSerCysThrPheGluPro 60  
Db 192 ACTGTGCGCTCAGCTGGGACATTTGGGAGGATGAATCTCTGAGCTGCATCTTTGAACCT 251  
Qy 61 AspIleLeuSerAspIleValIleGlnTrpLeuGlyGlyValLeuGlyValVal 80  
Db 252 GACATCAAACTTCTGATATCGTATACATAGTGTGCAATGCCCTCTTTGGGCTGAAAACGTC 311  
Qy 81 HisGluPheLeuGlyGlyValSerGlyLeuSerGlyGlnAspGluMetPheArgGlyArg 100  
Db 312 CATGAGTTCAGAGAGGCAAGATGAGCTGTGGAGCAGATGAATGTTCAGAGGCGG 371  
Qy 101 ThrAlaValPheAlaAspGlnValIleValGlyAsnAlaSerLeuArgLeuValVal 120  
Db 372 ACAGCAGTGTCTGCTGATCAAGTGTAGTGTGCAATGCCCTCTTTGGGCTGAAAACGTC 431  
Qy 121 GlnLeuThrAspAlaGlyThrTrpLeuGlyCysTrpIleIleThrSerIleGlyValVal 140  
Db 432 CAATCTCAGATCTGGCACCTTCAATGTTATATCATCATCTTCTTAAGGCGAGGGGAT 491  
Qy 141 AlaAsnLeuGluTrpTrpIleValAlaPheSerMetProGluValAsnValAspTrpAsn 160  
Db 492 GCTAACCTTGTAGTATAAACTCGAGGCTTCAGCATGCCGAGAGTGAATGTGAGTATAAT 551  
Qy 161 AlaSerSerGluThrLeuArgCysGluAlaProArgTrpPheProGlnProThrValVal 180  
Db 552 GCCAGCTCAGAGACCTTGGGCTGTGAGGCTTCCCGATGTTTCCCGAGCCCACTGAGTGC 611  
Qy 181 TrpAlaSerGlnValAspGlnGlyAlaAsnPheSerGlyValSerAsnThrSerPheGlu 200  
Db 612 TGGGCAATCCCAAGTGTGACAGGAGGCACTTCTCGGAGCTCTCCATATACCATCTTGA 671  
Qy 201 LeuAsnSerGluAsnValThrMetLeuValValSerValLeuTrpAsnValThrIleAsn 220  
Db 672 CTGAATCTGAGAAATGTGACCATGAGGTTGTGTCTGTCTGTCTGTCTGTCTGTCTGTCT 731  
Qy 221 AsnThrTrpSerCysMetIleGluAsnAspIleAlaIleAlaThrGlyAspIleValVal 240



Db	732	APACATATCTCTGTATGATTGAATAATGACATTTCCTAAAGCAACACAGGGGATATCAAAAGTG	791
Qy	241	ThrGluSerGluIleuLeuYeaArgSerHisIleuGlnIleuLeuAenSerLysAlaSerLeu	260
Db	792	ACAGATCGAGATCAAAAGCGGAGTCACTACAGCTGCTAACTCAAGAGCTTCTCTG	851
Qy	261	CysValSerSerPhePheAlaIleSerTrpAlaIleuProLeuSerProTyrLeuMet	280
Db	852	TGTGTCTCTCTCTCTCTCTTTTGCCATCAGCTGGGCACTTCTGCCCTCTCAGCCCTTACCTGATG	911
Qy	281	LeuLys	282
Db	912	CTAAAA	917

RESULT 3

US-09-989-722-290

Sequence 290: Application US/09989722

Patent No. US20020072067A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi J.

APPLICANT: Baker, Kevin P.

APPLICANT: Botstein, David

APPLICANT: Desnoyers, Luc

APPLICANT: Eaton, Dan L.

APPLICANT: Ferrara, Napoleone

APPLICANT: Fong, Sherman

APPLICANT: Gerber, Hanspeter

APPLICANT: Gerritsen, Mary E.

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Grimaldi, J. Christopher

APPLICANT: Gurney, Austin L.

APPLICANT: Kljavin, Ivar J.

APPLICANT: Napier, Mary A.

APPLICANT: Pan, James

APPLICANT: Paoni, Nicholas F.

APPLICANT: Roy, Margaret Ann

APPLICANT: Stewart, Timothy A.

APPLICANT: Tumas, Daniel

APPLICANT: Watanabe, Colin K.

APPLICANT: Williams, P. Mickey

APPLICANT: Wood, William I.

APPLICANT: Zhang, Zemin

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

TITLE OF INVENTION: Acids Encoding the Same

FILE REFERENCE: P2730PLC63

CURRENT APPLICATION NUMBER: US/09/989,722

CURRENT FILING DATE: 2001-11-19

PRIOR APPLICATION NUMBER: 60/049787

PRIOR FILING DATE: 1997-06-16

PRIOR APPLICATION NUMBER: 60/062250

PRIOR FILING DATE: 1997-10-17

PRIOR APPLICATION NUMBER: 60/065186

PRIOR FILING DATE: 1997-11-12

PRIOR APPLICATION NUMBER: 60/065311

PRIOR FILING DATE: 1997-11-13

PRIOR APPLICATION NUMBER: 60/066770

PRIOR FILING DATE: 1997-11-24

PRIOR APPLICATION NUMBER: 60/075945

PRIOR FILING DATE: 1998-02-25

PRIOR APPLICATION NUMBER: 60/078910

PRIOR FILING DATE: 1998-03-20

PRIOR APPLICATION NUMBER: 60/083322

PRIOR FILING DATE: 1998-04-28

PRIOR APPLICATION NUMBER: 60/084600

PRIOR FILING DATE: 1998-05-07

PRIOR APPLICATION NUMBER: 60/087106

PRIOR FILING DATE: 1998-05-28

PRIOR APPLICATION NUMBER: 60/087607

PRIOR FILING DATE: 1998-06-02

PRIOR APPLICATION NUMBER: 60/087609

PRIOR FILING DATE: 1998-06-02

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: May 29, 2004, 22:45:14 ; Search time 149 Seconds  
(without alignments)  
6175.225 Million cell updates/sec

Title: US-10-063-567-59  
Perfect score: 1658  
Sequence: 1 ggaagcagcgagctcca.....aaaaaaaaaaaaaaaaaaaa 1658

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Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents NA: \*  
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3: /cgn2\_6/ptodata/2/ina/6A COMB.seq.\*  
4: /cgn2\_6/ptodata/2/ina/6B COMB.seq.\*  
5: /cgn2\_6/ptodata/2/ina/PTUS COMB.seq.\*  
6: /cgn2\_6/ptodata/2/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1609.8	97.1	2627	4	US-09-404-879A-391
2	589.8	35.6	1567	4	US-09-404-879A-74
3	589.8	35.6	1567	4	US-09-338-933-74
4	589.8	35.6	1567	4	US-09-215-681-74
5	589.8	35.6	1567	4	US-09-216-003A-74
6	530.6	32.0	541	4	US-09-404-879A-28
7	530.6	32.0	541	4	US-09-338-933-28
8	530.6	32.0	541	4	US-09-215-681-28
9	530.6	32.0	541	4	US-09-216-003A-28
10	69	4.2	332	4	US-09-621-976-16031
11	67.6	4.1	396	4	US-09-640-173-10
12	67.6	4.1	396	4	US-09-713-550-10
13	67	4.0	2790	3	US-08-800-291B-1
14	66.6	4.0	413	4	US-09-227-357-71
15	66.2	4.0	329	4	US-09-621-976-16012
16	66.2	4.0	332	4	US-09-621-976-16050
17	66.2	4.0	332	4	US-09-621-976-16053
18	66.2	4.0	333	4	US-09-621-976-16032
19	66.2	4.0	333	4	US-09-621-976-16045
20	66.2	4.0	334	4	US-09-621-976-16044
21	66.2	4.0	335	4	US-09-621-976-16061
22	66.2	4.0	336	4	US-09-621-976-16013
23	66.2	4.0	338	4	US-09-621-976-16041
24	66.2	4.0	347	4	US-09-621-976-16026
25	66.2	4.0	357	4	US-09-621-976-16058
26	66.2	4.0	359	4	US-09-621-976-16008
27	66.2	4.0	359	4	US-09-621-976-16019

28	66.2	4.0	362	4	US-09-621-976-16010	Sequence 16010, A
29	66.2	4.0	363	4	US-09-621-976-16042	Sequence 16042, A
30	66.2	4.0	1582	3	US-08-545-196B-10	Sequence 10, Appl
31	66.2	4.0	1582	3	US-08-545-196B-12	Sequence 12, Appl
32	66	4.0	299	4	US-09-621-976-10211	Sequence 10211, A
33	65.8	4.0	326	4	US-09-621-976-16024	Sequence 16024, A
34	65.6	4.0	2567	3	US-08-993-260-4	Sequence 4, Appl
35	65.4	3.9	371	4	US-09-621-976-16048	Sequence 16048, A
36	65	3.9	327	4	US-09-621-976-16018	Sequence 16018, A
37	65	3.9	339	4	US-09-621-976-16015	Sequence 16015, A
38	64.8	3.9	1736	3	US-09-182-816-22	Sequence 22, Appl
39	64.8	3.9	1736	3	US-09-182-816-22	Sequence 22, Appl
40	64.8	3.9	1736	3	US-09-471-528-22	Sequence 22, Appl
41	64.8	3.9	1736	3	US-09-471-528-22	Sequence 22, Appl
42	64.8	3.9	1736	3	US-09-634-530-22	Sequence 22, Appl
43	64.8	3.9	1736	3	US-09-634-530-22	Sequence 24, Appl
44	64.6	3.9	336	4	US-09-621-976-16051	Sequence 16051, A
45	64.6	3.9	1474	3	US-08-821-394-64	Sequence 64, Appl

ALIGNMENTS

RESULT 1

US-09-404-879A-391

; Sequence 391, Application US/09404879A

; Patent No. 6468546

; GENERAL INFORMATION:

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: King, Gordon E.

; APPLICANT: Algate, Paul A.

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER

; FILE REFERENCE: 210121.462C2

; CURRENT APPLICATION NUMBER: US/09/404,879A

; CURRENT FILING DATE: 1999-09-24

; NUMBER OF SEQ ID NOS: 333

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 391

; LENGTH: 2627

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-404-879A-391

Query Match	97.1%;	Score	1609.8;	DB	4;	Length	2627;	
Best Local Similarity	99.9%;	Pred. No.	0;					
Matches 1611;	Conservative	0;	Mismatches	2;	Indels	0;	Gaps	0;
QY	1	GGAGGCGAGCGGAGCTCCACTCAGCCAGTACCCAGATACGCTGGGAACCTTCCCAGCC	60					
DB	23	GGAGGCGAGCGGAGCTCCACTCAGCCAGTACCCAGATACGCTGGGAACCTTCCCAGCC	82					
QY	61	ATGGCTTCCCTGGGGAGATCCTCTCTGGAGCATTAATAGCATCATTAATTTCTGGCT	120					
DB	83	ATGGCTTCCCTGGGGAGATCCTCTCTGGAGCATTAATAGCATCATTAATTTCTGGCT	142					
QY	121	GGAGCAATTGCACTCATCATTCGCTTTGGTATTTTCAGGGAGCACTCCATCAGACTCACT	180					
DB	143	GGAGCAATTGCACTCATCATTCGCTTTGGTATTTTCAGGGAGCACTCCATCAGACTCACT	202					
QY	181	ACTGTGCGCTCAGCTGGGAACATTCGGGAGGATGGAATCCTGAGCTGCACATTTTGAACCT	240					
DB	203	ACTGTGCGCTCAGCTGGGAACATTCGGGAGGATGGAATCCTGAGCTGCACATTTTGAACCT	262					
QY	241	GACATCAAACTTCTGATATCGTATACAAATGGCTGGAAGGAGGTTTATAGGCTTGCTC	300					
DB	263	GACATCAAACTTCTGATATCGTATACAAATGGCTGGAAGGAGGTTTATAGGCTTGCTC	322					
QY	301	CATGAGTTCAAGAAGGCAAGATGAGCTGTCGGGAGCAGGATGAAATGTTTCAGAGGCGGG	360					
DB	323	CATGAGTTCAAGAAGGCAAGATGAGCTGTCGGGAGCAGGATGAAATGTTTCAGAGGCGGG	382					
QY	361	ACAGCAGTGTGTTCTGATCAAGTGATGTTGGCAATGCCCTTTTCGGCGCTGAAAAACGTG	420					

Db 383 ACACGATGTTGCTGATCAATGATGTTGGCAATGCTCTTTGGCGCTGAATAACGTTG 442  
Qy 421 CAATCAAGATGCTGGCACTCAAAATGTTATATCAATCTTCTAAAGCAAGGGGAAT 480  
Db 443 CAATCAAGATGCTGGCACTCAAAATGTTATATCAATCTTCTAAAGCAAGGGGAAT 502  
Qy 481 GCTAACTTGAATATAAACTGGAGCTTCAAGATGCGGAGTGGATGTTGATATAT 540  
Db 503 GCTAACTTGAATATAAACTGGAGCTTCAAGATGCGGAGTGGATGTTGATATAT 562  
Qy 541 GCCAGCTCAGAGACCTTGGCGTGTGAGGCTCCCGATGTTCCCGCAGCCCAAGTGGTC 600  
Db 563 GCCAGCTCAGAGACCTTGGCGTGTGAGGCTCCCGATGTTCCCGCAGCCCAAGTGGTC 622  
Qy 601 TGGGCATCCCAAGTGTGAGGAGCCCACTTCTCGGAGTCTCCCAATACACGCTTTGAG 660  
Db 623 TGGGCATCCCAAGTGTGAGGAGCCCACTTCTCGGAGTCTCCCAATACACGCTTTGAG 682  
Qy 661 CTGAACCTCAGATGTGACCATGAAGTGTGCTGTCTGTCTACATGTTAGATCAAC 720  
Db 683 CTGAACCTCAGATGTGACCATGAAGTGTGCTGTCTGTCTACATGTTAGATCAAC 742  
Qy 721 AACCATACCTCTGATGATGAATGAATGACATGCTCCAAAGCAAGGGGATATCAAGTG 780  
Db 743 AACCATACCTCTGATGATGAATGAATGACATGCTCCAAAGCAAGGGGATATCAAGTG 802  
Qy 781 ACAGAACTCGAGATCAAAAGCGGAGTCACTACAGCTGTAACTCAAGGCTTCTCTG 840  
Db 803 ACAGAACTCGAGATCAAAAGCGGAGTCACTACAGCTGTAACTCAAGGCTTCTCTG 862  
Qy 841 TGTGCTCTCTCTTTGTCATCAGCTGGGCACTTCTGCTCTCAGCCCTTACCTGATG 900  
Db 863 TGTGCTCTCTCTTTGTCATCAGCTGGGCACTTCTGCTCTCAGCCCTTACCTGATG 922  
Qy 901 CTAAATTAAGTGTGCTTGGCCACAAAGCAAGGATGATGATGATGATGATGATGATG 960  
Db 923 CTAAATTAAGTGTGCTTGGCCACAAAGCAAGGATGATGATGATGATGATGATGATG 982  
Qy 961 ACAGAACTTATCCACCAAGATATGATGATGATGATGATGATGATGATGATGATG 1020  
Db 983 ACAGAACTTATCCACCAAGATATGATGATGATGATGATGATGATGATGATGATG 1042  
Qy 1021 ATATCTAGAGTCTGGAGTGAACAAAGCAAGGATGATGATGATGATGATGATGATG 1080  
Db 1043 ATATCTAGAGTCTGGAGTGAACAAAGCAAGGATGATGATGATGATGATGATGATG 1102  
Qy 1081 AGGCTCCCAATATGAACCAAGTATATCTTCTCAAGACATATTAAGATGTTGGAAATA 1140  
Db 1103 AGGCTCCCAATATGAACCAAGTATATCTTCTCAAGACATATTAAGATGTTGGAAATA 1162  
Qy 1141 ATTCATGTGAACCAAGTATGTTTGAAGTGAATGAATGAATGAATGAATGAATGAAT 1200  
Db 1163 ATTCATGTGAACCAAGTATGTTTGAAGTGAATGAATGAATGAATGAATGAATGAAT 1222  
Qy 1201 GCATCCCAAGTCTCAGGACCTCCCGCTGCTCACTGGGAGTGAAGACAGGAT 1260  
Db 1223 GCATCCCAAGTCTCAGGACCTCCCGCTGCTCACTGGGAGTGAAGACAGGAT 1282  
Qy 1261 AGTGCATGTTCTTGTCTGAAATTTTGTATGTTGCTGTTGCTGTTGCTGTTGCTG 1320  
Db 1283 AGTGCATGTTCTTGTCTGAAATTTTGTATGTTGCTGTTGCTGTTGCTGTTGCTG 1342  
Qy 1321 GCCCTTGGAAAGTCTATCCCAACATATCCACATCTTATATCCCAATTAAGCTGTAGT 1380  
Db 1343 GCCCTTGGAAAGTCTATCCCAACATATCCACATCTTATATCCCAATTAAGCTGTAGT 1402  
Qy 1381 ATGTACCTGAAGCGTGTGATTAATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1440  
Db 1403 ATGTACCTGAAGCGTGTGATTAATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1462  
Qy 1441 AGTAATGGGTCAAAATGATTCATCTTTTATGATGCTTCCAAAGTGGCTTCTCTCTC 1500

Db 1463 AGTAATGGGTCAAAATGATTCATCTTTTATGATGCTTCCAAAGTGGCTTCTCTCTC 1522  
Qy 1501 CCAACTGACAAATGCCAAAGTGGAGAAATGATCATATATTTAGCATATAACAGACAGT 1560  
Db 1523 CCAACTGACAAATGCCAAAGTGGAGAAATGATCATATATTTAGCATATAACAGACAGT 1582  
Qy 1561 CGGGGACACCGATTTTATAATAAATGAACCTGAGACCTCTTTTAAACAAAAAA 1613  
Db 1583 CGGGGACACCGATTTTATAATAAATGAACCTGAGACCTCTCTTTTAAACAAAA 1635

RESULT 2  
US-09-404-879A-74  
; Sequence 74, Application US/09404879A  
; Patent No. 6468546  
; GENERAL INFORMATION:  
; APPLICANT: Mitcham, Jennifer L.  
; APPLICANT: King, Gordon E.  
; APPLICANT: Algate, Paul A.  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
; FILE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER  
; FILE REFERENCE: 210121.462C2  
; CURRENT APPLICATION NUMBER: US/09/404,879A  
; NUMBER OF SEQ ID NOS: 393  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 74  
; LENGTH: 1567  
; TYPE: DNA  
; ORGANISM: Homo sapien  
US-09-404-879A-74

Query Match 35.68; Score 589.8; DB 4; Length 1567;  
Best Local Similarity 99.78; Pred. No. 2.9e-139;  
Matches 591; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1021 ATATCTAGAGTCTGGAGTGAACAAAGCAAGGATGATGATGATGATGATGATGATG 1080  
Db 1 ATATCTAGAGTCTGGAGTGAACAAAGCAAGGATGATGATGATGATGATGATGATG 60  
Qy 1081 AGGCTCCCAATATGAACCAAGTATATCTTCTCAAGACATATTAAGATGTTGGAAATA 1140  
Db 61 AGGCTCCCAATATGAACCAAGTATATCTTCTCAAGACATATTAAGATGTTGGAAATA 120  
Qy 1141 ATTCATGTGAACCAAGTATGTTTGAAGTGAATGAATGAATGAATGAATGAATGAAT 1200  
Db 121 ATTCATGTGAACCAAGTATGTTTGAAGTGAATGAATGAATGAATGAATGAATGAAT 180  
Qy 1201 GCATCCCAAGTCTCAGGACCTCCCGCTGCTCACTGGGAGTGAAGACAGGAT 1260  
Db 181 GCATCCCAAGTCTCAGGACCTCCCGCTGCTCACTGGGAGTGAAGACAGGAT 240  
Qy 1261 AGTGCATGTTCTTGTCTGAAATTTTGTATGTTGCTGTTGCTGTTGCTGTTGCTG 1320  
Db 241 AGTGCATGTTCTTGTCTGAAATTTTGTATGTTGCTGTTGCTGTTGCTGTTGCTG 300  
Qy 1321 GCCCTTGGAAAGTCTATCCCAACATATCCACATCTTATATCCCAATTAAGCTGTAGT 1380  
Db 301 GCCCTTGGAAAGTCTATCCCAACATATCCACATCTTATATCCCAATTAAGCTGTAGT 360  
Qy 1381 ATGTACCTGAAGCGTGTGATTAATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1440  
Db 361 ATGTACCTGAAGCGTGTGATTAATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTG 420  
Qy 1441 AGTAATGGGTCAAAATGATTCATCTTTTATGATGCTTCCAAAGTGGCTTCTCTCTC 1500  
Db 421 AGTAATGGGTCAAAATGATTCATCTTTTATGATGCTTCCAAAGTGGCTTCTCTCTC 480  
Qy 1501 CCAACTGACAAATGCCAAAGTGGAGAAATGATCATATATTTAGCATATAACAGACAGT 1560  
Db 481 CCAACTGACAAATGCCAAAGTGGAGAAATGATCATATATTTAGCATATAACAGACAGT 540  
Qy 1561 CGGGGACACCGATTTTATAATAAATGAACCTGAGACCTCTTTTAAACAAAAAA 1613

CGGCGACACCGATTTTATAAATAAACCTGAGCACCTTCTTTTAAACAAA 593

### RESULT 3

```

US-09-338-933-74
; Sequence 74, Application US/09338933
; Patent No. 6488931
; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer Lynn
; APPLICANT: King, Gordon E.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS
; TITLE OF INVENTION: OVARIAN CANCER
; FILE REFERENCE: 210121.462C1
; CURRENT APPLICATION NUMBER: US/09/338,933
; CURRENT FILING DATE: 1999-06-23
; NUMBER OF SEQ ID NOS: 312
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 74
; LENGTH: 1567
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-338-933-74

```

Query Match	35.6%;	Score 589.8;	DB 4;	Length 1567;
Best Local Similarity	99.7%;	Prod. No. 2.9e-139;		
Matches 591;	Conservative 0;	Mismatches 2;	Indels 0;	Gaps 0;
QY	1021	ATATCTAGAAAGTCTGGAGTCGAGCAAAACAAGAGCAAGAAACAAAAGCAAGCCAAAAGCAGA	1080	
Db	1	ATATCTAGAAAGTCTGGAGTCGAGCAAAACAAGAGCAAGAAACAAAAGCAAGCCAAAAGCAGA	60	
QY	1081	AGGCTCCAAATATGAACAAGATAAATCTATCTTCAAAGACATATTAGAGTTGGAAAAATA	1140	
Db	61	AGGCTCCAAATATGAACAAGATAAATCTATCTTCAAAGACATATTAGAGTTGGAAAAATA	120	
QY	1141	ATTCAATGTGAACATAGACAGGTGTGTTAAGAGTGATAAGTAAAAATGCACGTGGAGACAAGT	1200	
Db	121	ATTCAATGTGAACATAGACAGGTGTGTTAAGAGTGATAAGTAAAAATGCACGTGGAGACAAGT	180	
QY	1201	GCATCCCCAGATCTCAGGACCTCCCTGCCTCTCACCCTGGGAGGTGAGAGGCACAGAT	1260	
Db	181	GCATCCCCAGATCTCAGGACCTCCCTGCCTCTCACCCTGGGAGGTGAGAGGCACAGAT	240	
QY	1261	AGTGCATGTTCTTTGTCTCTGAATTTTTAGTTATATATGCTGTGTAATGTTCCTCTGAGGAA	1320	
Db	241	AGTGCATGTTCTTTGTCTCTGAATTTTTAGTTATATATGCTGTGTAATGTTCCTCTGAGGAA	300	
QY	1321	GCCTCTGGAAAGTCTATCCCAACATATCCACATCTTATATCCACAATTAAGCTGTAGT	1380	
Db	301	GCCTCTGGAAAGTCTATCCCAACATATCCACATCTTATATCCACAATTAAGCTGTAGT	360	
QY	1381	ATGTACCGTTAAGACGCTGCTTAATTGACATGCCACTTCGCAACTCAGGGCGGCTGCATTTT	1440	
Db	361	ATGTACCGTTAAGACGCTGCTTAATTGACATGCCACTTCGCAACTCAGGGCGGCTGCATTTT	420	
QY	1441	AGTAATGGGTCAAATGATTCACCTTTTTATGATGCTTCCAAAAGGTGCCTTGGCTTCTCTTC	1500	
Db	421	AGTAATGGGTCAAATGATTCACCTTTTTATGATGCTTCCAAAAGGTGCCTTGGCTTCTCTTC	480	
QY	1501	CCCACTGACAAATCCCAAGTTGGAAAAATGATCATAATTTTAGCATTAACACAGGCAGT	1560	
Db	481	CCCACTGACAAATCCCAAGTTGGAAAAATGATCATAATTTTAGCATTAACACAGGCAGT	540	
QY	1561	CGGGACACCGATTTTATAATAAACTCAGACACCTCTTTTAAACAAAAAA	1613	
Db	541	CGGGACACCGATTTTATAATAAACTCAGACACCTCTTTTAAACAAAAAA	593	

## RESULT 4

US-09-215-681-74  
; Sequence 74, Application US/09215681A  
; Patent No. 6528253

```

: GENERAL INFORMATION:
:
: APPLICANT: Mitcham, Jennifer L.
: APPLICANT: Prudakis, Tony N.
: APPLICANT: King, Gordon E.
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSIS
: TITLE OF INVENTION: OF OVARIAN CANCER
: FILE REFERENCE: 210121.463
: CURRENT APPLICATION NUMBER: US/09/215,681A
: CURRENT FILING DATE: 1998-12-17
: NUMBER OF SEQ ID NOS: 310
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 74
: LENGTH: 1567
: TYPE: DNA
: ORGANISM: Homo sapien
: US-09-215-681-74

```

Query Match	35.6%;	Score 589.8;	DB 4;	Length 1567;
Best Local Similarity	99.7%;	Prod. No. 2.9e-139;		
Matches 591;	Conservative	0; Mismatches 2;	Indels 0;	Gaps 0;
QY	1021	ATATCTAGAAAGTCGTGGAGTGAGCAAAACAAGAGCAAGAAACAAAAGAGGACCAAAAGCAGA	1080	
DB	1	ATATCTAGAAAGTCGTGGAGTGAGCAAAACAAGAGCAAGAAACAAAAGAGGACCAAAAGCAGA	60	
QY	1081	AGGCTCCAAATATGAACAAGATAAAATCTATCTTCACAAAGCAATATTAGAAAGTTGGGAATA	1140	
DB	61	AGGCTCCAAATATGAACAAGATAAAATCTATCTTCACAAAGCAATATTAGAAAGTTGGGAATA	120	
QY	1141	ATTCAATGTGAACCTAGACAAGTGTGTAAAGAGTGATAAGTAAATTCACGCTGGAGACAAGT	1200	
DB	121	ATTCAATGTGAACCTAGACAAGTGTGTAAAGAGTGATAAGTAAATTCACGCTGGAGACAAGT	180	
QY	1201	GCATCCCCAGATCTCAGGGAGACTCCCCCTGCCGTGCACCTGGGAGGTGAGAGGACAGAT	1260	
DB	181	GCATCCCCAGATCTCAGGGAGACTCCCCCTGCCGTGCACCTGGGAGGTGAGAGGACAGAT	240	
QY	1261	AGTGCATGTTCTTTGTCTCTCGAAATTTTAAAGTATATAGTGTGTAAAGTGTCTTGAGGAA	1320	
DB	241	AGTGCATGTTCTTTGTCTCTCGAAATTTTAAAGTATATAGTGTGTAAAGTGTCTTGAGGAA	300	
QY	1321	GCCCTCGGAAAGTCTATCCCAACATATCCACATCTTATATTCCAAATTAAGCTGTAGT	1380	
DB	301	GCCCTCGGAAAGTCTATCCCAACATATCCACATCTTATATTCCCAATTAAGCTGTAGT	360	
QY	1381	ATGTACCTTAAGACGCTGTCTAATGTACTGCCACTTTGGCAACTCAGGGGGCGGCTGCATTTT	1440	
DB	361	ATGTACCTTAAGACGCTGTCTAATGTACTGCCACTTTGGCAACTCAGGGGGCGGCTGCATTTT	420	
QY	1441	AGTAATGGGTCAAAATGATTCACATCTTTTATATGATGCTTCCAAAGGTGCCCTTGGCTTCTTTC	1500	
DB	421	AGTAATGGGTCAAAATGATTCACATCTTTTATATGATGCTTCCAAAGGTGCCCTTGGCTTCTTTC	480	
QY	1501	CGAAGTGCATAAGCCCAAGTGTGAGAAAAATAGATCATTAATTTTAGCATTAACACAGACGAT	1560	
DB	481	CGAAGTGCATAAGCCCAAGTGTGAGAAAAATAGATCATTAATTTTAGCATTAACACAGACGAT	540	
QY	1561	CGGGGACACCGAATTTTATAATTAACCTGAGCACCTTCTTTTAAACAAAAA	1613	
DB	541	CGGGGACACCGAATTTTATAATTAACCTGAGCACCTTCTTTTAAACAAAAA	593	

## RESULT 5

```

US-09-216-003A-74
; Sequence 74, Application US/09216003A
; Patent No. 6670463
; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Frudakis, Tony N.
; APPLICANT: King, Gordon E.
; TITLE OF INVENTION: COMPOSITIONS AND
; FILE REFERENCE: 210121.462
; CURRENT APPLICATION NUMBER: US/09/216-

```

1 MASLGQILFWSIITIIILAGALIIIGFISGRHSITVTIVASAGNIGDGLSCITFEP 60

61 DIKLSDIVIOWLKEGVLGLVHEFKGKDELSEQDEWFRGRTAVFADQVIVGNASLRKQV 120

61 DIKLSDIVIOWLKEGVLGLVHEFKGKDELSEQDEWFRGRTAVFADQVIVGNASLRKQV 120

121 QLTDACTYKCYIITSGKGNANLEYKTGAFSPMPVNVNDYNASSETLRCEAPRFPQPTVV 180

121 QLTDACTYKCYIITSGKGNANLEYKTGAFSPMPVNVNDYNASSETLRCEAPRFPQPTVV 180

181 WASQVDQGANFSEVNTSFELSENVTMKVSVLVNVTINNTYSCHIENDIAKATGDIKV 240

181 WASQVDQGANFSEVNTSFELSENVTMKVSVLVNVTINNTYSCHIENDIAKATGDIKV 240

241 TESEIKRSHLQLLNSKASLCVSSPFAISWALLPLSPYMLK 282

241 TESEIKRSHLQLLNSKASLCVSSPFAISWALLPLSPYMLK 282

RESULT 3

AAU29132

ID AAU29132 standard; protein; 282 AA.

XX AC AAU29132;

XX DT 18-DEC-2001 (first entry)

XX DE Human PRO polypeptide sequence #109.

XX KW PRO polypeptide; mammal; tumour; cancer; human; cattle; horse; sheep;

XX KW dog; cat; pig; goat; rabbit; tumour necrosis factor alpha; TNF-alpha;

XX KW blood; chondrocyte cell; cell proliferation; cell differentiation; colon;

XX KW adrenal; lung; breast; prostate; rectum; cervix; liver; genetic disorder.

XX OS Homo sapiens.

XX FN WO200168848-A2.

XX PD 20-SEP-2001.

XX PF 28-FEB-2001; 2001WO-US006520.

PR 01-MAR-2000; 2000WO-US005601.

PR 02-MAR-2000; 2000WO-US005841.

PR 03-MAR-2000; 2000US-0187202P.

PR 06-MAR-2000; 2000US-0186968P.

PR 14-MAR-2000; 2000US-0189320P.

PR 14-MAR-2000; 2000US-0189328P.

PR 15-MAR-2000; 2000WO-US006884.

PR 21-MAR-2000; 2000US-0190828P.

PR 21-MAR-2000; 2000US-0191007P.

PR 21-MAR-2000; 2000US-0191048P.

PR 21-MAR-2000; 2000US-0191314P.

PR 28-MAR-2000; 2000US-0192655P.

PR 29-MAR-2000; 2000US-0193032P.

PR 29-MAR-2000; 2000US-0193053P.

PR 30-MAR-2000; 2000WO-US008439.

PR 04-APR-2000; 2000US-0194449P.

PR 11-APR-2000; 2000US-0194647P.

PR 11-APR-2000; 2000US-0195975P.

PR 11-APR-2000; 2000US-0196000P.

PR 11-APR-2000; 2000US-0196187P.

PR 11-APR-2000; 2000US-0196690P.

PR 11-APR-2000; 2000US-0196820P.

PR 11-APR-2000; 2000US-0198121P.

PR 18-APR-2000; 2000US-0198585P.

PR 25-APR-2000; 2000US-0199397P.

PR 25-APR-2000; 2000US-0199550P.

PR 25-APR-2000; 2000US-0199554P.

PR 03-MAY-2000; 2000US-0201516P.

PR 17-MAY-2000; 2000WO-US013705.

PR 22-MAY-2000; 2000WO-US014042.

61 DIKLSDIVIOWLKEGVLGLVHEFKGKDELSEQDEWFRGRTAVFADQVIVGNASLRKQV 120

61 DIKLSDIVIOWLKEGVLGLVHEFKGKDELSEQDEWFRGRTAVFADQVIVGNASLRKQV 120

121 QLTDACTYKCYIITSGKGNANLEYKTGAFSPMPVNVNDYNASSETLRCEAPRFPQPTVV 180

121 QLTDACTYKCYIITSGKGNANLEYKTGAFSPMPVNVNDYNASSETLRCEAPRFPQPTVV 180

181 WASQVDQGANFSEVNTSFELSENVTMKVSVLVNVTINNTYSCHIENDIAKATGDIKV 240

181 WASQVDQGANFSEVNTSFELSENVTMKVSVLVNVTINNTYSCHIENDIAKATGDIKV 240

241 TESEIKRSHLQLLNSKASLCVSSPFAISWALLPLSPYMLK 282

241 TESEIKRSHLQLLNSKASLCVSSPFAISWALLPLSPYMLK 282

RESULT 2

AAU12557

ID AAB12557 standard; protein; 282 AA.

XX AC AAB12557;

XX DT 07-NOV-2000 (first entry)

XX DE Human ovarian carcinoma antigen OGE protein SEQ ID NO:393.

XX KW Human; ovarian carcinoma; ovarian cancer; therapy; diagnosis;

XX KW tumour antigen; identification; cytostatic; Gene therapy; vaccine.

XX OS Homo sapiens.

XX FN WO200036107-A2.

XX PD 22-JUN-2000.

XX PF 17-DEC-1999; 99WO-US030270.

XX PR 17-DEC-1998; 98US-00215681.

XX PR 17-DEC-1998; 98US-00216003.

XX PR 23-JUN-1999; 99US-00338933.

XX PR 24-SEP-1999; 99US-00404879.

XX PA (CORI-) CORIXA CORP.

XX PI Mitcham JL, King GE, Algate PA, Frudakis TN;

XX WI 2000-431589/37.

XX DR WPI; 2000-431589/37.

XX PT Immunogenic portion of an ovarian carcinoma protein and the nucleic acid

XX PT encoding it, useful for the diagnosis, prevention and treatment of

XX PT cancer, preferably ovarian cancer.

XX PS Example 2; Page 207; 299pp; English.

XX CC The present invention describes an isolated polypeptide comprising an

XX CC immunogenic portion of an ovarian carcinoma protein (or its variants).

XX CC Ovarian carcinoma proteins, and polynucleotides encoding them, have

XX CC cytostatic activity and can be used in gene therapy and vaccines. Ovarian

XX CC carcinoma polypeptides, nucleic acids, antibodies and vaccines are useful

XX CC for the prevention, diagnosis and treatment of cancer, preferably ovarian

XX CC cancer. AAR6961 to AAR7007 and AAB12552 to AAB12557 represent human

XX CC ovarian carcinoma polynucleotides and proteins used in the

XX CC exemplification of the present invention

XX SQ Sequence 282 AA;

Query Match: 100.0%; Score 1431; DB 3; Length 282;

Best Local Similarity: 100.0%; Pred. No. 3.9e-118;

Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 MASLGQILFWSIITIIILAGALIIIGFISGRHSITVTIVASAGNIGDGLSCITFEP 60

181 WASQVQGANFSEVNTSFELNSENVTKVSVLYNVTNTTSCMIENDIAKATGDIKV 240  
181 WASQVQGANFSEVNTSFELNSENVTKVSVLYNVTNTTSCMIENDIAKATGDIKV 240  
241 TESIHKRSHLQLLNSKASLCVSSFFAISWALLPLSPYIMLK 282  
241 TESIHKRSHLQLLNSKASLCVSSFFAISWALLPLSPYIMLK 282

RESULT 6  
AAB65242  
ID AAB65242 standard; protein; 282 AA.  
XX  
AC AAB65242;  
XX  
DT 02-APR-2001 (first entry)  
XX  
DE Human PRO1291 (UNG659) protein sequence SEQ ID NO:291.  
XX  
KW Human; secreted and transmembrane protein; PRO; cytostatic; cell death;  
KW cancer; chromosomal mapping; gene mapping; tissue typing;  
KW diagnostic assay.  
XX  
OS Homo sapiens.  
XX  
PN WO200073454-A1.  
XX  
PD 07-DEC-2000.  
XX  
PF 30-MAR-2000; 2000WO-US008439.  
XX  
PR 02-JUN-1999; 99US-01412252.  
XX  
PR 23-JUN-1999; 99US-0141037P.  
XX  
PR 07-JUL-1999; 99US-0143048P.  
XX  
PR 20-JUL-1999; 99US-0144758P.  
XX  
PR 26-JUL-1999; 99US-0145698P.  
XX  
PR 17-AUG-1999; 99US-0146222P.  
XX  
PR 15-SEP-1999; 99US-0149396P.  
XX  
PR 15-SEP-1999; 99WO-US021090.  
XX  
PR 08-OCT-1999; 99US-0158663P.  
XX  
PR 30-NOV-1999; 99WO-US028313.  
XX  
PR 01-DEC-1999; 99WO-US028301.  
XX  
PR 16-DEC-1999; 99WO-US030095.  
XX  
PR 20-DEC-1999; 99WO-US030911.  
XX  
PR 05-JAN-2000; 2000WO-US000219.  
XX  
PR 06-JAN-2000; 2000WO-US000376.  
XX  
PR 11-FEB-2000; 2000WO-US003565.  
XX  
PR 18-FEB-2000; 2000WO-US004341.  
XX  
PR 22-FEB-2000; 2000WO-US004414.  
XX  
PR 24-FEB-2000; 2000WO-US004914.  
XX  
PR 24-FEB-2000; 2000WO-US005004.  
XX  
PR 02-MAR-2000; 2000WO-US005841.  
XX  
PR 15-MAR-2000; 2000WO-US006884.  
XX  
PR 20-MAR-2000; 2000WO-US007377.  
XX  
PA (GETH ) GENENTECH INC.  
XX  
PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;  
PI Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;  
PI Grimaldi CJ, Gurney AL, Kljavin IU, Napier MA, Pan J, Paoni NF;  
PI Roy MA, Stewart JA, Tumas D, Watanabe CK, Williams PM, Wood WI;  
PI Zhang Z;  
XX  
XX WPI; 2001-032160/04.  
XX N-PSDB; AAF44205.  
XX  
XX PRO polynucleotides used to produce polypeptides used to target bioactive  
XX molecules such as toxins, radiolabels or antibodies, to specific cells,  
XX to cause targeted cell death.  
XX Claim 12; Fig 208; 935pp; English.  
XX

181 WASQVQGANFSEVNTSFELNSENVTKVSVLYNVTNTTSCMIENDIAKATGDIKV 240  
241 TESIHKRSHLQLLNSKASLCVSSFFAISWALLPLSPYIMLK 282  
241 TESIHKRSHLQLLNSKASLCVSSFFAISWALLPLSPYIMLK 282

RESULT 5  
AAB99204  
ID AAB99204 standard; protein; 282 AA.  
XX  
AC AAB99204;  
XX  
DT 04-SEP-2001 (first entry)  
XX  
DE Human ovarian tumour-derived antigen O8E-#1;  
XX  
KW Cytostatic; human; breast tumour protein; breast cancer; ovarian tumour;  
KW antigen; O8E.  
XX  
OS Homo sapiens.  
XX  
PN WO200140269-A2.  
XX  
PD 07-JUN-2001.  
XX  
PF 29-NOV-2000; 2000WO-US032520.  
XX  
PR 30-NOV-1999; 99US-00451651.  
XX  
PR 22-FEB-2000; 2000US-00510662.  
XX  
PR 10-MAR-2000; 2000US-00523586.  
XX  
PR 07-APR-2000; 2000US-00545068.  
XX  
PR 15-MAY-2000; 2000US-00571025.  
XX  
PA (CORI-) CORIXA CORP.  
XX  
PI Dillon DC, Day CH, Jiang Y, Houghton RL, Mitcham JL, Wang A;  
XX  
XX WPI; 2001-356154/37.  
XX N-PSDB; AAH55681.  
XX  
XX Breast tumor polypeptides and the nucleic acids that encode them, useful  
XX for the prevention, diagnosis and treatment of breast cancer.  
XX  
XX Example 3; Page 190; 221pp; English.  
XX  
XX The present invention relates to human breast tumour protein coding  
XX sequences (see AAH55479-AAH55513, AAH55517-AAH55679 and AAH55682-  
XX AAH55762). The breast tumour protein DNA sequences may be used in the  
XX prevention, diagnosis and treatment of diseases associated with  
XX inappropriate expression of the breast tumour protein e.g. breast cancer.  
XX The present sequence is a human ovarian tumour-derived antigen, which was  
XX used in an example from the present invention  
XX

Query Match 100.0%; Score 1431; DB 4; Length 282;  
Best Local Similarity 100.0%; Pred. No. 3.9e-118;  
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MASLGQILFWSIISIIIIILAGAILIIGFGISGRHSITVTIVASAGNIGDGLISCTFEP 60  
DB 1 MASLGQILFWSIISIIIIILAGAILIIGFGISGRHSITVTIVASAGNIGDGLISCTFEP 60  
QY 61 DIKLSDIVIOMKEGVGLVHVEFKGKDELSEQDEMERGRGTAVFADQVIVGNASRLKNV 120  
DB 61 DIKLSDIVIOMKEGVGLVHVEFKGKDELSEQDEMERGRGTAVFADQVIVGNASRLKNV 120  
QY 121 QLTADGTYKCYIITSKGNANLEYKTGAFNPEVNVNDYNASSETLRCEAPRPPTTV 180  
DB 121 QLTADGTYKCYIITSKGNANLEYKTGAFNPEVNVNDYNASSETLRCEAPRPPTTV 180





PA (ANGE-) AMGEN INC.  
 XX Fox M, Sullivan JK, Fang M;  
 XX WPI; 2002-171639/22.  
 DR N-PSDB; AAD29253.  
 XX  
 XX Novel B7-like polypeptides, polynucleotides and their modulators useful  
 PT for prevention and treatment of reproductive, immune and proliferative  
 PT disorders, e.g. cancer, arteriosclerosis.  
 XX  
 XX Claim 13; Fig 1A-1B; 133pp; English.  
 XX  
 XX The present invention relates to an isolated B7-like (B7-L) polypeptide  
 CC and its polynucleotide. B7-1 and its modulators are useful for treating  
 CC reproductive disorders (e.g. infertility, miscarriage, preterm labour and  
 CC delivery and endometriosis) and proliferative disorders. Antibodies,  
 CC soluble proteins comprising extracellular domains and other regulators of  
 CC B7-L are useful for enhancing the immune response to tumours. B7-1 plays  
 CC a role in growth and maintenance of cancer cells based on the observation  
 CC of seminal vesicle hyperplasia in transgenic mice overexpressing B7-1.  
 CC Modulators of B7-1 are useful for the treatment of cancer e.g. seminal  
 CC vesicle, lung, brain, breast, ovarian, testicular cancer and cancers of  
 CC haematopoietic system. B7-1 and their modulators are useful to treat  
 CC autoimmune diseases such as systemic lupus erythematosus, rheumatoid  
 CC arthritis, immune thrombocytopenic purpura and psoriasis, chronic  
 CC inflammatory disease such as inflammatory bowel disease (Crohn's disease  
 CC and ulcerative colitis), Grave's disease, Hashimoto's thyroiditis and  
 CC diabetes mellitus. They are also useful as immunosuppressive agents for  
 CC bone marrow and organ transplantation or to prolong graft survival.  
 CC Modulators of B7-L are also useful for diagnosis and treatment of  
 CC diseases involving abnormal cell proliferation, arteriosclerosis and  
 CC vascular stenosis. Soluble B7-L serves as vaccine adjuvants.  
 CC Antagonists of B7-L are useful for alleviation of toxic shock syndrome or  
 CC allo sensitisation due to blood transfusions, and for treatment of  
 CC multiple sclerosis, allergy, asthma and hypersensitivity reactions,  
 CC nephropathies (e.g. glomerulonephritis), skin disorders (pemphigus and  
 CC pemphigoid), endocrinopathies, various pneumopathies, vasculopathies,  
 CC coeliac disease, anaemia, thrombocytopaenia, Guillain-Barre syndrome and  
 CC myasthenia gravis, and lymphoproliferative disorders such as multiple  
 CC myeloma. B7-L gene is useful in gene therapy and to map the locations of  
 CC B7-L gene and related genes on chromosomes, as hybridisation probes in  
 CC diagnostic assays, for isolating corresponding chromosomal B7-L genes,  
 CC and to identify heritable tissue-degenerating diseases. The present  
 CC sequence is human B7-L protein  
 XX  
 XX Sequence 282 AA;  
 XX  
 Query Match 100.0%; Score 1431; DB 5; Length 282;  
 Best Local Similarity 100.0%; Pred. No. 3.9e-118;  
 Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MASLQQLFWSTISIIIIILAGAILIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60  
 Db 1 MASLQQLFWSTISIIIIILAGAILIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60  
 QY 61 DIKLSDIVIOMLKEGVLGVHPEKGGKDELSEQDEMFRGRTAVFADQVIVGNASRLKNV 120  
 Db 61 DIKLSDIVIOMLKEGVLGVHPEKGGKDELSEQDEMFRGRTAVFADQVIVGNASRLKNV 120  
 QY 121 QLTDAQTKYCIITTSKGGKGNLEKTKGAFSPKPEVNVNDYNASSETLRCEAPRPFPQTVV 180  
 Db 121 QLTDAQTKYCIITTSKGGKGNLEKTKGAFSPKPEVNVNDYNASSETLRCEAPRPFPQTVV 180  
 QY 181 WASQVDQGANFSEVENTSFELNSENVTKVSVLVNVTINNTYSCMTIENDIAKATGDIKV 240  
 Db 181 WASQVDQGANFSEVENTSFELNSENVTKVSVLVNVTINNTYSCMTIENDIAKATGDIKV 240  
 QY 241 TSEIKRSHLOLINSKSLCVSSFPALSWALLPLSPYIMLK 282  
 Db 241 TSEIKRSHLOLINSKSLCVSSFPALSWALLPLSPYIMLK 282

RESULT 15  
 ABB09879  
 ID ABB09879 standard; protein; 282 AA.  
 XX  
 XX AC ABB09879;  
 XX  
 XX 30-JUL-2002 (first entry)  
 XX  
 XX Amino acid sequence of the OREO gene (gene B).  
 DE Human; gene A; ovarian tumour; gene B; OREO; ovarian cancer.  
 XX  
 XX Homo sapiens.  
 OS  
 XX  
 XX Key Location/Qualifiers  
 FH Domain 12..31  
 FT /note= "predicted transmembrane domain"  
 FT Domain 45..145  
 FT /note= "predicted Ig domain"  
 FT Modified-site 112  
 FT /note= "N-glycosylation site"  
 FT Modified-site 160  
 FT /note= "N-glycosylation site"  
 FT Modified-site 190  
 FT /note= "N-glycosylation site"  
 FT Modified-site 196  
 FT /note= "N-glycosylation site"  
 FT Modified-site 205  
 FT /note= "N-glycosylation site"  
 FT Modified-site 216  
 FT /note= "N-glycosylation site"  
 FT Modified-site 220  
 FT /note= "N-glycosylation site"  
 XX  
 XX WO200194641-A2.  
 XX  
 XX 13-DEC-2001.  
 XX  
 XX 11-JUN-2001; 2001WO-US018700.  
 XX  
 XX 09-JUN-2000; 2000US-0210451P.  
 XX  
 XX (IDEC-) IDEC PHARM CORP.  
 XX  
 XX Ople E, McLachlan K, Heard C;  
 FI  
 XX  
 XX WPI; 2002-404365/43.  
 DR N-PSDB; ABL56582.  
 XX  
 XX New polynucleotide and corresponding antigens from human ovarian cancer  
 PT cells, useful for treatment and diagnosis of ovarian cancer.  
 XX  
 XX Claim 12; Fig 7b; 71pp; English.  
 PS  
 XX  
 XX The present sequence represents a protein designated OREO. The OREO (Ople  
 CC RDA of Epithelial Tissue vs. Ovary tumour) gene is a novel gene, also  
 CC designated gene B. This gene was identified by representational  
 CC difference analysis (RDA) screening, and is selectively expressed by  
 CC certain human ovarian tumours. The specification also describes gene A,  
 CC identified by the same method. Gene A and B polynucleotides are useful  
 CC for detecting ovarian cancer. Their polypeptides are useful for treating  
 CC ovarian cancer  
 XX  
 XX Sequence 282 AA;  
 XX  
 Query Match 100.0%; Score 1431; DB 5; Length 282;  
 Best Local Similarity 100.0%; Pred. No. 3.9e-118;  
 Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MASLQQLFWSTISIIIIILAGAILIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60  
 Db 1 MASLQQLFWSTISIIIIILAGAILIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

Qy	61	DIKLSDIVIQWLKEGVLGLVHBFKEGKOBELSEQDEMFRGRTAVFADQVIVGNASRLXNV	120
Db	61	DIKLSDIVIQWLKEGVLGLVHBFKEGKOBELSEQDEMFRGRTAVFADQVIVGNASRLXNV	120
Qy	121	QUTDAGTYKCYIITTSKGNANLEKYGAFSPMEVNVNDYNASSETLRCEAPFPQPTVV	180
Db	121	QUTDAGTYKCYIITTSKGNANLEKYGAFSPMEVNVNDYNASSETLRCEAPFPQPTVV	180
Qy	181	WASQVDQGANFSEVSNTSPELNSENVTKVSVLYNVNTINNTYSCHIENDIAKATGDIKV	240
Db	181	WASQVDQGANFSEVSNTSPELNSENVTKVSVLYNVNTINNTYSCHIENDIAKATGDIKV	240
Qy	241	TESEIKRRSHLOLLNSKASLCVSSFFAISWALLPLSPYLMK	282
Db	241	TESEIKRRSHLOLLNSKASLCVSSFFAISWALLPLSPYLMK	282

Search completed: May 28, 2004, 14:34:07  
Job time : 62 secs

OM nucleic - nucleic search, using sw model

Run on: May 29, 2004, 22:45:14 ; Search time 149 Seconds  
(without alignments)  
6175.225 Million cell updates/sec

Title: US-10-063-567-59  
Perfect score: 1658  
Sequence: 1 ggaagcagcgcagctcca.....aaaaaaaaaaaaaaaaaaaaa 1658

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database :

- Issued Patents NA:\*\*  
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2: /cgn2\_6/ptodata/2/ina/5B COMB.seq.\*  
3: /cgn2\_6/ptodata/2/ina/6A COMB.seq.\*  
4: /cgn2\_6/ptodata/2/ina/6B COMB.seq.\*  
5: /cgn2\_6/ptodata/2/ina/PCTUS COMB.seq.\*  
6: /cgn2\_6/ptodata/2/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1609.8	97.1	2627	4	US-09-404-879A-391
2	589.8	35.6	1567	4	US-09-404-879A-74
3	589.8	35.6	1567	4	US-09-338-933-74
4	589.8	35.6	1567	4	US-09-215-681-74
5	589.8	35.6	1567	4	US-09-216-003A-74
6	530.6	32.0	541	4	US-09-404-879A-28
7	530.6	32.0	541	4	US-09-338-933-28
8	530.6	32.0	541	4	US-09-215-681-28
9	530.6	32.0	541	4	US-09-216-003A-28
10	69	4.2	332	4	US-09-621-976-16031
11	67.6	4.1	396	4	US-09-640-173-10
12	67.6	4.1	396	4	US-09-713-550-10
13	67	4.0	2790	3	US-08-800-291B-1
14	66.6	4.0	413	4	US-09-227-357-71
15	66.2	4.0	329	4	US-09-621-976-16012
16	66.2	4.0	332	4	US-09-621-976-16050
17	66.2	4.0	332	4	US-09-621-976-16053
18	66.2	4.0	333	4	US-09-621-976-16032
19	66.2	4.0	333	4	US-09-621-976-16045
20	66.2	4.0	334	4	US-09-621-976-16044
21	66.2	4.0	335	4	US-09-621-976-16061
22	66.2	4.0	336	4	US-09-621-976-16013
23	66.2	4.0	338	4	US-09-621-976-16041
24	66.2	4.0	347	4	US-09-621-976-16026
25	66.2	4.0	357	4	US-09-621-976-16058
26	66.2	4.0	359	4	US-09-621-976-16008
27	66.2	4.0	359	4	US-09-621-976-16019

28 66.2 4.0 362 4 US-09-621-976-16010 Sequence 16010, A  
29 66.2 4.0 365 4 US-09-621-976-16042 Sequence 16042, A  
30 66.2 4.0 1582 3 US-08-545-196B-10 Sequence 10, Appl  
31 66.2 4.0 1582 3 US-08-545-196B-12 Sequence 12, Appl  
32 66 4.0 299 4 US-09-621-976-10211 Sequence 10211, A  
33 65.8 4.0 326 4 US-09-621-976-16024 Sequence 16024, A  
34 65.6 4.0 2567 3 US-08-993-260-4 Sequence 4, Appl  
35 65.4 3.9 371 4 US-08-621-976-16048 Sequence 16048, A  
36 65 3.9 327 4 US-09-621-976-16018 Sequence 16018, A  
37 65 3.9 339 4 US-09-621-976-16015 Sequence 16015, A  
38 64.8 3.9 1736 3 US-09-182-816-22 Sequence 22, Appl  
39 64.8 3.9 1736 3 US-09-182-816-24 Sequence 24, Appl  
40 64.8 3.9 1736 3 US-09-471-528-22 Sequence 22, Appl  
41 64.8 3.9 1736 3 US-09-471-528-24 Sequence 24, Appl  
42 64.8 3.9 1736 3 US-09-634-530-22 Sequence 22, Appl  
43 64.8 3.9 1736 3 US-09-634-530-24 Sequence 24, Appl  
44 64.6 3.9 336 4 US-09-621-976-16051 Sequence 16051, A  
45 64.6 3.9 1474 3 US-08-821-994-64 Sequence 64, Appl

#### ALIGNMENTS

##### RESULT 1

US-09-404-879A-391  
; Sequence 391, Application US/09404879A  
; Patent No. 6468546  
; GENERAL INFORMATION:  
; APPLICANT: Mitcham, Jennifer L.  
; APPLICANT: King, Gordon E.  
; APPLICANT: Algate, Paul A.  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
; TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER  
; FILE REFERENCE: 210121.462C2  
; CURRENT APPLICATION NUMBER: US/09/404,879A  
; CURRENT FILING DATE: 1999-09-24  
; NUMBER OF SEQ ID NOS: 393  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 391  
; LENGTH: 2627  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-404-879A-391

Query Match 97.1%; Score 1609.8; DB 4; Length 2627;  
Best Local Similarity 99.9%; Pred. No. 0;  
Matches 1611; Conservative 0; Mismatches 2; Indels 0; Gaps 0;  
QY 1 GGAAGCGAGCGCAGCTCCACTCAGCAGTACCCAGATACGCTGGAAACCTTCCCGAGCC 60  
Db 23 GGAAGCGAGCGCAGCTCCACTCAGCAGTACCCAGATACGCTGGAAACCTTCCCGAGCC 82  
QY 61 ATGGCTTCCTGGGGCAGATCCTCTCTGGAGCAATATAGCATCATCATTTCTGGCT 120  
Db 83 ATGGCTTCCTGGGGCAGATCCTCTCTGGAGCAATATAGCATCATCATTTCTGGCT 142  
QY 121 GGAGCAATTCGACTCATCATTCGCTTGTATTTTCAGGAGACACTCCATCAGCTCACT 180  
Db 143 GGAGCAATTCGACTCATCATTCGCTTGTATTTTCAGGAGACACTCCATCAGCTCACT 202  
QY 181 ACTGTCGCTCAGCTGGGAACATTTGGGGAGGATGAATCTTGGAGTGCATTTTGAACCT 240  
Db 203 ACTGTCGCTCAGCTGGGAACATTTGGGGAGGATGAATCTTGGAGTGCATTTTGAACCT 262  
QY 241 GACATCAATCTTCTGATATCGTATACATGCTGAGGAGGTTTGTAGGCTTGGTC 300  
Db 263 GACATCAATCTTCTGATATCGTATACATGCTGAGGAGGTTTGTAGGCTTGGTC 322  
QY 301 CATGAGTTCAAAGAGGCAAGATGAGCTGTGCGAGCAGGATGAATGTTTCAGAGCCGG 360  
Db 323 CATGAGTTCAAAGAGGCAAGATGAGCTGTGCGAGCAGGATGAATGTTTCAGAGCCGG 382  
QY 361 ACAGAGTGTTCCTGATCAAGTATAGTTGGCAATGCTCTTTGGCGCTGAAACCTG 420

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Db 383 ACAGCAGTGTTCGTGATCAAGTGATAGTTGGCAATGCTCTTTGGCGCTGAAAAACGTG 442
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Db 443 CAACTCAGATGCTGCACCTCAAAATGTTATATCATCACTTCTAAAGGCAAGGGAAT 502
Qy 481 GCTAACCTTGAGTATAAAATCGAGCCTTCAGCATGCGGAAGTGAATGTGACTATAAT 540
Db 503 GCTAACCTTGAGTATAAAATCGAGCCTTCAGCATGCGGAAGTGAATGTGACTATAAT 562
Qy 541 GCCAGCTCAGAGCTTCGCGGTGAGGCTCCCGATGTTCCCGACGCCACAGTGGTC 600
Db 563 GCCAGCTCAGAGCTTCGCGGTGAGGCTCCCGATGTTCCCGACGCCACAGTGGTC 622
Qy 601 TGGCATCCCAAGTTGACAGGAGCCAACTTCGGAAGTCCCAATACCAAGCTTTGAG 660
Db 623 TGGCATCCCAAGTTGACAGGAGCCAACTTCGGAAGTCCCAATACCAAGCTTTGAG 682
Qy 661 CTGAACTCTGAGATGTCACATGAAGTGTGCTGCTGCTTACAAATGTTAGATCAAC 720
Db 683 CTGAACTCTGAGATGTCACATGAAGTGTGCTGCTTACAAATGTTAGATCAAC 742
Qy 721 AACACATACCTCTGATGATTGAAATGACATTCGCAAGCAACAGGGGATATCAAGTG 780
Db 743 AACACATACCTCTGATGATTGAAATGACATTCGCAAGCAACAGGGGATATCAAGTG 802
Qy 781 ACAGATCGGAGTCAAAAGCGGAGTCACTACAGCTGTCAACTCAAGGCTTCTCTG 840
Db 803 ACAGATCGGAGTCAAAAGCGGAGTCACTACAGCTGTCAACTCAAGGCTTCTCTG 862
Qy 841 TGTGCTCTCTCTTTGTCATCAGCTGGGCACTTCTGCTCTCAGCCCTTACCTGATG 900
Db 863 TGTGCTCTCTCTTTGTCATCAGCTGGGCACTTCTGCTCTCAGCCCTTACCTGATG 922
Qy 901 CTAATAATATGTCCTGGCCACAAAGAGCATGCAAGTCAATGTTACAAAGGATCT 960
Db 923 CTAATAATATGTCCTGGCCACAAAGAGCATGCAAGTCAATGTTACAAAGGATCT 982
Qy 961 ACAGACTATTTTCAACCAATATGACCTAGTTTATTTTCTGGGAGGAATGAATTC 1020
Db 983 ACAGACTATTTTCAACCAATATGACCTAGTTTATTTTCTGGGAGGAATGAATTC 1042
Qy 1021 ATATCTAGAGTCTGGAGTAGCAAAACAGAGCAAGAAACAAAGAGCCAAAGCAGA 1080
Db 1043 ATATCTAGAGTCTGGAGTAGCAAAACAGAGCAAGAAACAAAGAGCCAAAGCAGA 1102
Qy 1081 AGGCTCCCAATGACAGATAATCTATCTTCAAGACATATTTAGAGTTGGGAAATA 1140
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Qy 1141 ATTCAATGAACTAGACAAAGTGTGTTAAGAGTGATAGTAAATGCAAGTGGAGCAAGT 1200
Db 1163 ATTCAATGAACTAGACAAAGTGTGTTAAGAGTGATAGTAAATGCAAGTGGAGCAAGT 1222
Qy 1201 GCATCCCGAGATCTCAGGAGCTCCCGCTGCTGTCACTGGGAGTGAGAGGACAGAT 1260
Db 1223 GCATCCCGAGATCTCAGGAGCTCCCGCTGCTGTCACTGGGAGTGAGAGGACAGAT 1282
Qy 1261 AGTGATGTTCTTGTCTCTGAATTTTATGTTATATGCTGTATGTTGCTCTGAGAA 1320
Db 1283 AGTGATGTTCTTGTCTCTGAATTTTATGTTATATGCTGTATGTTGCTCTGAGAA 1342
Qy 1321 GCCCTGGAAAGTCTATCCCAATATCCAGATCTTATATTTCCCAATTAAGCTGTAGT 1380
Db 1343 GCCCTGGAAAGTCTATCCCAATATCCAGATCTTATATTTCCCAATTAAGCTGTAGT 1402
Qy 1381 ATGTACCTTAAGACGCTGTATTTGACTGCCACTTTCGCAACTCAGGGGCGGCTCATTTT 1440
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Db 1463 AGTAATGGGTCAAAATGATTCACCTTTTATGATGCTTCCAAAGTGCCTTGGCTTCTCTTC 1522
Qy 1501 CCAACTGACAAATGCCAAAGTTGAGAAATATGATCATTAATTTTAGCATATAACAGAGCAGT 1560
Db 1523 CCAACTGACAAATGCCAAAGTTGAGAAATATGATCATTAATTTTAGCATATAACAGAGCAGT 1582
Qy 1561 CGGGACACCCGATTTTATAAATAAAGTACGACCTTCTTTTAAACAAAAA 1613
Db 1583 CGGGACACCCGATTTTATAAATAAAGTACGACCTTCTTTTAAACAAAAA 1635

RESULT 2
US-09-404-879A-74
; Sequence 74, Application US/09404879A
; Patent No. 648546
; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: King, Gordon E.
; APPLICANT: Algate, Paul A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.462C3
; CURRENT APPLICATION NUMBER: US/09/404,879A
; NUMBER OF SEQ ID NOS: 393
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 74
; LENGTH: 1567
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-404-879A-74
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Query Match 35.6%; Score 589.8; DB 4; Length 1567;
Best Local Similarity 99.7%; Pred. No. 2.9e-139;
Matches 591; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1021 ATATCTAGAGTCTGGAGTAGCAAAACAGAGCAAGAAACAAAGAGCCAAAGCAGA 1080
Db 1 ATATCTAGAGTCTGGAGTAGCAAAACAGAGCAAGAAACAAAGAGCCAAAGCAGA 60
Qy 1081 AGGCTCCCAATGAAACAGATAATCTATCTTCAAGACATATTTAGAGTTGGGAAATA 1140
Db 61 AGGCTCCCAATGAAACAGATAATCTATCTTCAAGACATATTTAGAGTTGGGAAATA 120
Qy 1141 ATTCATGTGAATAGACAAAGTGTGTTAAGAGTGATAGTAAATGCAAGTGGAGCAAGT 1200
Db 121 ATTCATGTGAATAGACAAAGTGTGTTAAGAGTGATAGTAAATGCAAGTGGAGCAAGT 180
Qy 1201 GCATCCCGAGATCTCAGGAGCTCCCGCTGCTGTCACTGGGAGTGAGAGGACAGAT 1260
Db 181 GCATCCCGAGATCTCAGGAGCTCCCGCTGCTGTCACTGGGAGTGAGAGGACAGAT 240
Qy 1261 AGTGATGTTCTTGTCTCTGAATTTTATGTTATATGCTGTATGTTGCTCTGAGAA 1320
Db 241 AGTGATGTTCTTGTCTCTGAATTTTATGTTATATGCTGTATGTTGCTCTGAGAA 300
Qy 1321 GCCCTGGAAAGTCTATCCCAATATCCAGATCTTATATTTCCCAATTAAGCTGTAGT 1380
Db 301 GCCCTGGAAAGTCTATCCCAATATCCAGATCTTATATTTCCCAATTAAGCTGTAGT 360
Qy 1381 ATGTACCTTAAGACGCTGTATTTGACTGCCACTTTCGCAACTCAGGGGCGGCTCATTTT 1440
Db 361 ATGTACCTTAAGACGCTGTATTTGACTGCCACTTTCGCAACTCAGGGGCGGCTCATTTT 420
Qy 1441 AGTAATGGGTCAAAATGATTCATTTTATGATGCTTCCAAAGTGCCTTGGCTTCTCTTC 1500
Db 421 AGTAATGGGTCAAAATGATTCATTTTATGATGCTTCCAAAGTGCCTTGGCTTCTCTTC 480
Qy 1501 CCAACTGACAAATGCCAAAGTTGAGAAATATGATCATTAATTTTAGCATATAACAGAGCAGT 1560
Db 481 CCAACTGACAAATGCCAAAGTTGAGAAATATGATCATTAATTTTAGCATATAACAGAGCAGT 540
Qy 1561 CGGGACACCGATTTTATAAATAAAGTACGACCTTCTTTTAAACAAAAA 1613
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Db      541   CGCGGACCCGATTTTATAAATAACTGAGCACCTCTCTTTTAAACAACAAA    593

RESULT 3  
US-09-338-933-74  
; Sequence 74, Application US/09338933  
; Patent No. 6488931  
; GENERAL INFORMATION:  
; APPLICANT: Mitcham, Jennifer Lynn  
; APPLICANT: King, Gordon B.  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY OF  
; TITLE OF INVENTION: OVARIAN CANCER  
; FILE REFERENCE: 210121.462C1  
; CURRENT APPLICATION NUMBER: US/09/338,933  
; CURRENT FILING DATE: 1999-06-23  
; NUMBER OF SEQ ID NOS: 312  
; SOFTWARE: FastSEQ for Windows Version 3.0  
; SEQ ID NO 74  
; LENGTH: 1567  
; TYPE: DNA  
; ORGANISM: Homo sapien  
US-09-338-933-74

Query Match                  35.6%; Score 589.8; DB 4; Length 1567;  
Best Local Similarity        99.7%; Pred. No. 2.9e-139;  
Matches 591; Conservative    0; Mismatches 2; Indels 0; Gaps 0;

Qy      1021   ATATCTAGAAGTCGGAGTGAGCAAAACAAGCAAGCAAAAAAGAACGCCAAAAGCAGA    1080  
Db      1     ATATCTAGAAGTCGGAGTGAGCAAAACAAGCAAGCAAAAAAGAACGCCAAAAGCAGA    60  
Qy      1081   AGGCTCCAAATATGAACAAGATAAATCTATCTTCAAAGACATATTAGAAAGTTGGGAAAATA    1140  
Db      61     AGGCTCCAAATATGAACAAGTAATCTATCTTCAAAGACATATTAGAAAGTTGGGAAAATA    120  
Qy      1141   ATTCAATGTGAACTAGACAAGTGTGTTAAGAGTGATAAAGTAAATGCACGTGGGAGACAAGT    1200  
Db      121     ATTCATGTGAACTAGACAAGTGTGTTAAGAGTGATAAAGTAAATGCACGTGGGAGACAAGT    180  
Qy      1201   GCATCCCCAGATCTCAGGGACCTCCCCTGCCTGCTCACCTGGGAGTGAGGAGCACAGAT    1260  
Db      181     GCATCCCCAGATCTCAGGGACCTCCCCTGCCTGCTCACCTGGGAGTGAGGAGCACAGAT    240  
Qy      1261   AGTGCATGTTCTTTTGTCTCTGAAATTTTTAGTTATATGCTGTAAATGTTGCTCTGAGGAA    1320  
Db      241     AGTGCATGTTCTTTTGTCTCTGAAATTTTTAGTTATATGCTGTAAATGTTGCTCTGAGGAA    300  
Qy      1321   GCCCCTGGAAAGTCTATCCCAACATATCCACATCTTATATCCACAAATTAAGCTGTAGT    1380  
Db      301     GCCCCTGGAAAGTCTATCCCAACATATCCACATCTTATATCCACAAATTAAGCTGTAGT    360  
Qy      1381   ATGTACCCTTAAGACGCTGCTAATTGACCTGCCACATCTCAGGGCGCGCTGCATTTT    1440  
Db      361     ATGTACCCTTAAGACGCTGCTAATTGACCTGCCACATCTCAGGGCGCGCTGCATTTT    420  
Qy      1441   AGTAAATGGGTCAAAATGATATCTATTTTAAAGATGCTTCCAAAGGTGCCTTGGCTTCTCTTC    1500  
Db      421     AGTAAATGGGTCAAAATGATATCTATTTTATGATGCTTCCAAAGGTGCCTTGGCTTCTCTTC    480  
Qy      1501   CCAACTGCAAAATGCCAAAGTTGAGAAAAATGATCATATTTTATAGCATAAACAGACGAGT    1560  
Db      481     CCAACTGCAAAATGCCAAAGTTGAGAAAAATGATCATATTTTATAGCATAAACAGACGAGT    540  
Qy      1561   CGGGGACACCGATTTTATAATAAATCTGAGCACCTTCTTTTAAACAAAAAAA    1613  
Db      541     CGGGGACACCGATTTTATAATAAATCTGAGCACCTTCTTTTAAACAAAAAAA    593

RESULT 4  
US-09-215-681-74  
; Sequence 74, Application US/09215681A  
; Patent No. 6528253

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; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Frudakis, Tony N.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSIS
; FILE REFERENCE: 210121.463
; CURRENT APPLICATION NUMBER: US/09/215,681A
; CURRENT FILING DATE: 1998-12-17
; NUMBER OF SEQ ID NOS: 310
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 74
; LENGTH: 1567
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-215-681-74

Query Match          35.6%; Score 589.8; DB 4; Length 1567;
Best Local Similarity 99.7%; Pred. No. 2.9e-139;
Matches 591; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      1021 ATATCTAGAAGTCTGGAGTGACGAAACAAGCAAGCAAGAAAACAAAAGAGCCAAAAGCAGA 1080
Db      1    ATATCTAGAAGTCTGGAGTGAGCAAAACAAGCAAGCAAGAAAACAAAAGAGCCAAAAGCAGA 60

Qy      1081 AGGCTCCAATATGAACAAGATAAATCTATCTTCAAAGACATATTAGAAGTTGGAAAAATA 1140
Db      61    AGGCTCCAATATGAACAAGATAAATCTATCTTCAAAGACATATTAGAAGTTGGAAAAATA 120

Qy      1141 ATTCAATGTGAACATAGACAAGTGTGTTAAGAGTGATTAAGTAAATGCACGTGGAGACAAAGT 1200
Db      121 ATTCAATGTGAACATAGACAAGTGTGTTAAGAGTGATTAAGTAAATGCACGTGGAGACAAAGT 180

Qy      1201 GCATCCCCAGATCTCAGGGACCTCCCCTGCCCTGTCACTCGGGAGTGGAGAGCACAGAT 1260
Db      181 GCATCCCCAGATCTCAGGGACCTCCCCTGCCCTGTCACTCGGGAGTGGAGAGCACAGAT 240

Qy      1261 AGTCATGTTCTTTGTCCTGAAATTTTAGTTAATATGCTGTAAATGTTGCTCTGAGGAA 1320
Db      241 AGTCATGTTCTTTGTCCTGAAATTTTAGTTAATATGCTGTAAATGTTGCTCTGAGGAA 300

Qy      1321 GCCCTCGGAAGTCTATCCCAACATATCCACATCTTATATTTCCACAAATTAAGCTGTAGT 1380
Db      301 GCCCTCGGAAGTCTATCCCAACATATCCACATCTTATATTTCCAAATTAAGCTGTAGT 360

Qy      1381 ATGTACCCTAAGACGCTGTGTAATTTGACTGCACCTTCGCAACTCAGGGCGCGCTGCATTTT 1440
Db      361 ATGTACCCTAAGACGCTGTGTAATTTGACTGCACCTTCGCAACTCAGGGCGCGCTGCATTTT 420

Qy      1441 AGTAATGGGTCAAATGATTCACATTTTTATGATGCTTCCAAAGTGCCCTGGCTTCTCTTC 1500
Db      421 AGTAATGGGTCAAATGATTCACATTTTTATGATGCTTCCAAAGTGCCCTGGCTTCTCTTC 480

Qy      1501 CCAACTGACAAATGCCAAAGTTGAGAAAAATGATCATAAATTTTAGCATAAACAGAGCAGT 1560
Db      481 CCAACTGACAAATGCCAAAGTTGAGAAAAATGATCATAAATTTTAGCATAAACAGAGCAGT 540

Qy      1561 CGGGGACACCGATTTTATAATAAATGAACGTGAGGACCTCTTTTATAACAAAAAAA 1613
Db      541 CGGGGACACCGATTTTATAATAAATGAACGTGAGGACCTCTTTTATAACAAAAAAA 593

RESULT 5
US-09-216-003A-74
; Sequence 74, Application US/09216003A
; Patent No. 6670463
; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Frudakis, Tony N.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY OF OVARIAN CANCER
; FILE REFERENCE: 210121.462
; CURRENT APPLICATION NUMBER: US/09/216,003A
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; CURRENT FILING DATE: 1998-12-17
; NUMBER OF SEQ ID NOS: 310
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 74
; LENGTH: 1567
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-216-003A-74

Query Match          35.6%; Score 589.8; DB 4; Length 1567;
Best Local Similarity 99.7%; Pred. No. 2.9e-139;
Matches 591; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1021 ATATCTAGAAGTCTGGAGTGAGCAGAAACAAGGCAAGAGAAACAAANAGAGCCAAAGCAGA 1080
Db 1 ATATCTAGAAGTCTGGAGTGAGCAGAAACAAGGCAAGAGAAACAAANAGAGCCAAAGCAGA 60

QY 1081 AGGCTCCAAATATGAACAAGATAAATCTATCTTCAAAGACATATTTAGAAAGTTGGGAAAATA 1140
Db 61 AGGCTCCAAATATGAACAAGATAAATCTATCTTCAAAGACATATTTAGAAAGTTGGGAAAATA 120

QY 1141 ATTCAATGTGAACATAGACAAGTGTGTTAAGAGTGATTAAGTCAATGCACTGGAGACAAAGT 1200
Db 121 ATTCAATGTGAACATAGACAAGTGTGTTAAGAGTGATTAAGTCAATGCACTGGAGACAAAGT 180

QY 1201 GCATCCCCAGATCTCAGGGACCTCCGCCCTGCCTGCACCTGGGGAGTGAGAGGACAGGAT 1260
Db 181 GCATCCCCAGATCTCAGGGACCTCCGCCCTGCCTGCACCTGGGGAGTGAGAGGACAGGAT 240

QY 1261 AGTGCAATGTTCTTTGTCTCTGCAATTTTAAAGTTATATGCTGTGAATGTTGCTCTGAGGAA 1320
Db 241 AGTGCAATGTTCTTTGTCTCTGCAATTTTAAAGTTATATGCTGTGAATGTTGCTCTGAGGAA 300

QY 1321 GCCCTCGGAAGTCTATCCCAACATATCCACATCTTATATCCACAAATTAAGCTGTAGT 1380
Db 301 GCCCTCGGAAGTCTATCCCAACATATCCACATCTTATATCCACAAATTAAGCTGTAGT 360

QY 1381 ATGTACCTTAAGACGCTGCTAAATGACTGCCACATCTCGCAACTCAGGGCGGCTGCATTTT 1440
Db 361 ATGTACCTTAAGACGCTGCTAAATGACTGCCACATCTCGCAACTCAGGGCGGCTGCATTTT 420

QY 1441 AGTAATGGGTCAAAATGATATCACTTTTATGATGCTTCAAAGGTGCCTTGGCTTCTCTTC 1500
Db 421 AGTAATGGGTCAAAATGATATCACTTTTATGATGCTTCAAAGGTGCCTTGGCTTCTCTTC 480

QY 1501 CCAACTGACAAATGCCAAAGTTGAGAAAAATGATCAATAATTTTAGCATATAACAGAGCAGT 1560
Db 481 CCAACTGACAAATGCCAAAGTTGAGAAAAATGATCAATAATTTTAGCATATAACAGAGCAGT 540

QY 1561 CGGGGACACCGATTTTATAATAAACTGAGCACCTTCTTTTAAACAAAAAA 1613
Db 541 CGGGGACACCGATTTTATAATAAACTGAGCACCTTCTTTTAAACAAAAAA 593

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RESULT 6
US-09-404-879A-28
Sequence 28, Application US/09404879A
Patent No. 6468546
GENERAL INFORMATION:
APPLICANT: Mitcham, Jennifer L.
APPLICANT: King, Gordon E.
APPLICANT: Algate, Paul A.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.462C2
CURRENT APPLICATION NUMBER: US/09/404,879A
CURRENT FILING DATE: 1999-09-24
NUMBER OF SEQ ID NOS: 393
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 28
LENGTH: 541
TYPE: DNA
ORGANISM: Homo sapien

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US-09-404-879A-28
Query Match 32.0%; Score 530.6; DB 4; Length 541;
Best Local Similarity 98.5%; Pred. No. 1.6e-124;
Matches 533; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

QY 1030 AGTCTGGAGTGACCAACAGACGACCAAGAAACAACAAAAGAGAGCCAAAAGCAGCAAGAGCTCCAA 1089
Db 1 AGTCTGGAGTGACCAACAGACGACCAAGAAACAACAAAAGAGAGCCAAAAGCAGCAAGAGCTCCAA 60
QY 1090 TATGAACAAGATAAAATCTATCTTTCAAGACATATTAGAAGTTGGGAAAAATAATTCATGTG 1149
Db 61 TATGAACAAGATAAAATCTATCTTTCAAGACATATTAGAAGTTGGGAAAAATAATTCATGTG 120
QY 1150 AACTAGACAGTGTGTTAAGAGTGATAAGTAAANATGCAGTGGAGACAGAGTGCGATCCCCA 1209
Db 121 AACTAGACAGTGTGTTAAGAGTGATAAGTAAANATGCAGTGGAGACAGAGTGCGATCCCCA 180
QY 1210 GATCTCAGGACACCTCCCCCTGCCCTGTCACTGGGGAGTGAGAGGACAGGATAGTGCATGT 1269
Db 181 GATCTCAGGACACCTCCCCCTGCCCTGTCACTGGGGAGTGAGAGGACAGGATAGTGCATGT 240
QY 1270 TCTTTGTCCTGAATTTTAGTTATATGTGCTGTATATGCCAATAATTAAGCTGTAGTATGTACCT 1329
Db 241 TCTTTGTCCTGAATTTTAGTTATATGTGCTGTATATGCCAATAATTAAGCTGTAGTATGTACCT 300
QY 1330 AAGTCATCCCAACATATCCACATCTTATATTCACAAATTAAGCTGTAGTATGTACCT 1389
Db 301 AAGTCATCCCAACATATCCACATCTTATATTCACAAATTAAGCTGTAGTATGTACCT 360
QY 1390 AAGACGCTGTAATTAAGTCCCACTTCGCAACTCAGGGGGCGGTGCATTTTATGTAATGGG 1449
Db 361 AAGACGCTGTAATTAAGTCCCACTTCGCAACTCAGGGGGCGGTGCATTTTATGTAATGGG 420
QY 1450 TCAATGATTCACTTTTATGATGCTCCAAAGGTGCTTGGCTTCTCTTCCCACTGAC 1509
Db 421 TCAATGATTCACTTTTATGATGCTTCCCAAGTGCTTGGCTTCTCTTCCCACTGAC 480
QY 1510 AAATGCCAAAGTTGCAGAAAATGATCATATTTTAGCATATAACAGAGCAAGTGGGACAC 1569
Db 481 AAATGCCAAAGTTGCAGAAAATGATCATATTTTAGCATATAACAGAGCAAGTGGGACAC 540
QY 1570 C 1570
Db 541 C 541

RESULT 7
US-09-338-933-28
; Sequence 28, Application US/09338933
; Patent No. 6488931
; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer Lynn
; APPLICANT: King, Gordon E.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY OF
; TITLE OF INVENTION: OVARIAN CANCER
; FILE REFERENCE: 210121.462C1
; CURRENT APPLICATION NUMBER: US/09/338,933
; CURRENT FILING DATE: 1999-06-23
; NUMBER OF SEQ ID NOS: 312
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 28
; LENGTH: 541
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-338-933-28

Query Match 32.0%; Score 530.6; DB 4; Length 541;
Best Local Similarity 98.5%; Pred. No. 1.6e-124;
Matches 533; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

QY 1030 AGTCTGGAGTGACCAACAGACGACCAAGAAACAACAAAAGAGAGCCAAAAGCAGCAAGAGCTCCAA 1089

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Db 1 AGCTGAGTGAGCAACAGAGCAAGAAACARRAGAGCCAAAGAGAGGCTCCAA 60  
QY 1090 TATGAACAAGATAAATCTATCTTCAAGACATATTAGAACTTGGGAAATTAATTCATGTG 1149  
Db 61 TATGAACAAGATAAATCTATCTTCAAGACATATTAGAACTTGGGAAATTAATTCATGTG 120  
QY 1150 AACTAGACAAGTGTGTTAAGAGTGATTAAGTAAATGACCTGGAGACAAGTGCATCCCCA 1209  
Db 121 AACTAGACAAGTGTGTTAAGAGTGATTAAGTAAATGACCTGGAGACAAGTGCATCCCCA 180  
QY 1210 GATCTCAGGAGACCTCCCTGCTGTCACCTGGGAGTGAGAGACAGGATAGTGCATGT 1269  
Db 181 GATCTCAGGAGACCTCCCTGCTGTCACCTGGGAGTGAGAGACAGGATAGTGCATGT 240  
QY 1270 TCTTTGCTCTGAATTTTATAGTTATATGCTGCTAAATGCTTCTGAGGAAAGCCCTGGA 1329  
Db 241 TCTTTGCTCTGAATTTTATAGTTATATGCTGCTAAATGCTTCTGAGGAAAGCCCTGGA 300  
QY 1330 AAGTCTATCCCAACATATCCACATCTTATATTCACAAATTAAGCTGTATGTACCT 1389  
Db 301 AAGTCTATCCCAACATATCCACATCTTATATTCACAAATTAAGCTGTATGTACCT 360  
QY 1390 AAGAGCGTGTAAATGCTGCACTTCGCAACTCAGGGCGGCTGCAATTTAGTAAATGGG 1449  
Db 361 AAGAGCGTGTAAATGCTGCACTTCGCAACTCAGGGCGGCTGCAATTTAGTAAATGGG 420  
QY 1450 TCAATGATTCACATTTTATGATGCTTCCAAAGTGCCTTGGCTTCTTCCCAACTGAC 1509  
Db 421 TCAATGATTCACATTTTATGATGCTTCCAAAGTGCCTTGGCTTCTTCCCAACTGAC 480  
QY 1510 AARTGCCAAGTGCAGAAATGATCATAATTTTAGCATAAACAGAGCAGTGGGACAC 1569  
Db 481 AARTGCCAAGTGCAGAAATGATCATAATTTTAGCATAAACAGAGCAGTGGGACAC 540  
QY 1570 C 1570  
Db 541 C 541

RESULT 8

US-09-215-681-28  
; Sequence 28, Application US/09215681A  
; Patent No. 6528253  
; GENERAL INFORMATION:  
; APPLICANT: Mitcham, Jennifer L.  
; APPLICANT: Fridakis, Tony N.  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSIS  
; FILE REFERENCE: 210121.463  
; CURRENT APPLICATION NUMBER: US/09/215,681A  
; CURRENT FILING DATE: 1998-12-17  
; NUMBER OF SEQ ID NOS: 310  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 28  
; LENGTH: 541  
; TYPE: DNA  
; ORGANISM: Homo sapien  
US-09-215-681-28

Query Match 32.0%; Score 530.6; DB 4; Length 541;  
Best Local Similarity 98.5%; Pred. No. 1.6e-124;  
Matches 533; Conservative 2; Mismatches 6; Indels 0; Gaps 0;  
QY 1030 AGTCTGGAGTGAGCAACAGAGCAAGAAACAAAAGAGCCAAAGCAGAGGCTCCAA 1089  
Db 1 AGTCTGGAGTGAGCAACAGAGCAAGAAACAAAAGAGCCAAAGCAGAGGCTCCAA 60  
QY 1090 TATGAACAAGATAAATCTATCTTCAAGACATATTAGAACTTGGGAAATTAATTCATGTG 1149  
Db 61 TATGAACAAGATAAATCTATCTTCAAGACATATTAGAACTTGGGAAATTAATTCATGTG 120  
QY 1150 AACTAGACAAGTGTGTTAAGAGTGATTAAGTAAATGCTGAGGAGCAAGTGCATCCCCA 1209

Db 121 AACTAGACAAGTGTGTTAAGAGTGATTAAGTAAATGCTGAGACAAAGTGCATCCCCA 180  
QY 1210 GATCTCAGGAGACCTCCCTGCTGTCACCTGGGAGTGAGAGACAGGATAGTGCATGT 1269  
Db 181 GATCTCAGGAGACCTCCCTGCTGTCACCTGGGAGTGAGAGACAGGATAGTGCATGT 240  
QY 1270 TCTTTGCTCTGAATTTTATAGTTATATGCTGCTAAATGCTTCTGAGGAAAGCCCTGGA 1329  
Db 241 TCTTTGCTCTGAATTTTATAGTTATATGCTGCTAAATGCTTCTGAGGAAAGCCCTGGA 300  
QY 1330 AAGTCTATCCCAACATATCCACATCTTATATTCACAAATTAAGCTGTATGTACCT 1389  
Db 301 AAGTCTATCCCAACATATCCACATCTTATATTCACAAATTAAGCTGTATGTACCT 360  
QY 1390 AAGAGCGTGTAAATGCTGCACTTCGCAACTCAGGGCGGCTGCAATTTAGTAAATGGG 1449  
Db 361 AAGAGCGTGTAAATGCTGCACTTCGCAACTCAGGGCGGCTGCAATTTAGTAAATGGG 420  
QY 1450 TCAATGATTCACATTTTATGATGCTTCCAAAGTGCCTTGGCTTCTTCCCAACTGAC 1509  
Db 421 TCAATGATTCACATTTTATGATGCTTCCCAAGTGCCTTGGCTTCTTCCCAACTGAC 480  
QY 1510 AARTGCCAAGTGCAGAAATGATCATAATTTTAGCATAAACAGAGCAGTGGGACAC 1569  
Db 481 AARTGCCAAGTGCAGAAATGATCATAATTTTAGCATAAACAGAGCAGTGGGACAC 540  
QY 1570 C 1570  
Db 541 C 541

RESULT 9

US-09-216-003A-28  
; Sequence 28, Application US/09216003A  
; Patent No. 6670463  
; GENERAL INFORMATION:  
; APPLICANT: Mitcham, Jennifer L.  
; APPLICANT: Fridakis, Tony N.  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY OF OVARIAN CANCER  
; FILE REFERENCE: 210121.462  
; CURRENT APPLICATION NUMBER: US/09/216,003A  
; CURRENT FILING DATE: 1998-12-17  
; NUMBER OF SEQ ID NOS: 310  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 28  
; LENGTH: 541  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-216-003A-28

Query Match 32.0%; Score 530.6; DB 4; Length 541;  
Best Local Similarity 98.5%; Pred. No. 1.6e-124;  
Matches 533; Conservative 2; Mismatches 6; Indels 0; Gaps 0;  
QY 1030 AGTCTGGAGTGAGCAACAGAGCAAGAAACAAAAGAGCCAAAGCAGAGGCTCCAA 1089  
Db 1 AGTCTGGAGTGAGCAACAGAGCAAGAAACAAAAGAGCCAAAGCAGAGGCTCCAA 60  
QY 1090 TATGAACAAGATAAATCTATCTTCAAGACATATTAGAACTTGGGAAATTAATTCATGTG 1149  
Db 61 TATGAACAAGATAAATCTATCTTCAAGACATATTAGAACTTGGGAAATTAATTCATGTG 120  
QY 1150 AACTAGACAAGTGTGTTAAGAGTGATTAAGTAAATGCTGAGGAGCAAGTGCATCCCCA 1209  
Db 121 AACTAGACAAGTGTGTTAAGAGTGATTAAGTAAATGCTGAGACAAAGTGCATCCCCA 180  
QY 1210 GATCTCAGGAGACCTCCCTGCTGTCACCTGGGAGTGAGAGACAGGATAGTGCATGT 1269  
Db 181 GATCTCAGGAGACCTCCCTGCTGTCACCTGGGAGTGAGAGACAGGATAGTGCATGT 240  
QY 1270 TCTTTGCTCTGAATTTTATAGTTATATGCTGCTAAATGCTTCTGAGGAAAGCCCTGGA 1329

Db 241 TCTTTGCTCTGAAATTTTGTATATGCTGTGTAATGCTCTGAGGAGCCCTGGA 300  
QY 1330 AAGTCTATCCCAACATATCCACATCTTATATCCACAAATTAAGCTGTAGTATGACCT 1389  
Db 301 AAGTCTATCCCAACATATCCACATCTTATATCCACAAATTAAGCTGTAGTATGACCT 360  
QY 1390 AAGAGCTGCTAAATGACTGCACATTCGCAACTCAGGGCGGCTGCATTTTAGTAAATGGG 1449  
Db 361 AAGAGCTGCTAAATGACTGCACATTCGCAACTCAGGGCGGCTGCATTTTAGTAAATGGG 420  
QY 1450 TCAATGATTCACATTTTATGATGCTTCCAAAGTGCTTCTCTCCCACTGAC 1509  
Db 421 TCAATGATTCACATTTTATGATGCTTCCCAAGTGCTTCTCTCCCACTGAC 480  
QY 1510 AAATGCCAAGTTCAGAAAAATGATCAATTTTAGCATAAACAGAGCAGTCGGGGACAC 1569  
Db 481 AAATGCCAAGTTCAGAAAAATGATCAATTTTAGCATAAACAGAGCAGTCGGGGACAC 540  
QY 1570 C.1570  
Db 541 C.541

RESULT 10  
US-09-621-976-16031  
; Sequence 16031, Application US/09621976  
; Patent No. 6639063  
; GENERAL INFORMATION:  
; APPLICANT: Dumas Milne Edwards, J.B.  
; APPLICANT: Giordano, J.Y.  
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.  
; FILE REFERENCE: GENSET.054PR2  
; CURRENT APPLICATION NUMBER: US/09/621,976  
; CURRENT FILING DATE: 2000-07-21  
; NUMBER OF SEQ ID NOS: 19335  
; SOFTWARE: Patent.pm  
; SEQ ID NO 16031  
; LENGTH: 332  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-621-976-16031

Query Match 4.2%; Score 69; DB 4; Length 332;  
Best Local Similarity 67.9%; Pred. No. 4e-08;  
Matches 93; Conservative 2; Mismatches 42; Indels 0; Gaps 0;  
QY 1522 TGAGAAATATGATCAATTTTAGCATAAACAGAGCAGTCGGGGACCCGATTTTATAA 1581  
Db 193 TGRAAATAGAAAAATAATTTTCGATAGAAATAAATAGAAATTTAAAAAC 252  
QY 1582 TAACTGACACCTTCTTTTAAACAAAAAATAAATAAATAAATAAATAAATAAATAA 1641  
Db 253 AAACCAAGCTCTCTATGAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 312  
QY 1642 AAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 1658  
Db 313 AAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 329

RESULT 11  
US-09-640-173-10/c  
; Sequence 10, Application US/09640173  
; Patent No. 6613515  
; GENERAL INFORMATION:  
; APPLICANT: Xu, Jiangchun  
; APPLICANT: Stolk, John A.  
; TITLE OF INVENTION: OVARIAN TUMOR SEQUENCES AND  
; TITLE OF INVENTION: METHODS OF USE THEREOF  
; FILE REFERENCE: 210121.484C2  
; CURRENT APPLICATION NUMBER: US/09/640,173  
; CURRENT FILING DATE: 2000-08-15

; NUMBER OF SEQ ID NOS: 196  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 10  
; LENGTH: 396  
; TYPE: DNA  
; ORGANISM: Homo sapien  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (1)...(396)  
; OTHER INFORMATION: n = A,T,C or G  
US-09-640-173-10  
Query Match 4.1%; Score 67.6; DB 4; Length 396;  
Best Local Similarity 84.9%; Pred. No. 9.7e-08;  
Matches 73; Conservative 0; Mismatches 13; Indels 0; Gaps 0;  
QY 1573 TTTTATAATAAAGTGCACACCTCTTTTAAACAAAAAATAAATAAATAAATAAATAA 1632  
Db 134 TTTTAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 75  
QY 1633 AAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 1658  
Db 74 AAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 49

RESULT 12  
US-09-713-550-10/c  
; Sequence 10, Application US/09713550  
; Patent No. 6617109  
; GENERAL INFORMATION:  
; APPLICANT: Xu, Jiangchun  
; APPLICANT: Stolk, John A.  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE  
; TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CANCER  
; FILE REFERENCE: 210121.484C4  
; CURRENT APPLICATION NUMBER: US/09/713,550  
; CURRENT FILING DATE: 2000-11-14  
; NUMBER OF SEQ ID NOS: 205  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 10  
; LENGTH: 396  
; TYPE: DNA  
; ORGANISM: Homo sapien  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (1)...(396)  
; OTHER INFORMATION: n = A,T,C or G  
US-09-713-550-10

Query Match 4.1%; Score 67.6; DB 4; Length 396;  
Best Local Similarity 84.9%; Pred. No. 9.7e-08;  
Matches 73; Conservative 0; Mismatches 13; Indels 0; Gaps 0;  
QY 1573 TTTTATAATAAAGTGCACACCTCTTTTAAACAAAAAATAAATAAATAAATAAATAA 1632  
Db 134 TTTTAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 75  
QY 1633 AAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 1658  
Db 74 AAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 49

RESULT 13  
US-08-800-291B-1  
; Sequence 1, Application US/08800291B  
; Patent No. 6153740  
; GENERAL INFORMATION:  
; APPLICANT: J.D. Young & C.E. Cass  
; TITLE OF INVENTION: CDNA ENCODING NUCLEOSIDE TRANSPORTER  
; NUMBER OF SEQUENCES: 8  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Fish & Richardson P.C.  
; STREET: 4225 Executive Square, Suite 1400

CITY: La Jolla  
STATE: CA  
COUNTRY: USA  
ZIP: 92037  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/800,291B  
FILING DATE: 13-FEB-1997  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/499,314  
FILING DATE: 7-JULY-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Haile, Lisa A.  
REGISTRATION NUMBER: 38,347  
REFERENCE/DOCKET NUMBER: 07254/044W01  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 619/678-5070  
TELEFAX: 619/678-5099  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 2790 base pairs  
TYPE: nucleic acid  
STRENGTH: single  
TOPOLOGY: linear  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 1..2790  
US-08-800-291B-1

Query Match 4.0%; Score 67; DB 3; Length 2790;  
Best Local Similarity 83.5%; Pred. No. 3.3e-07;  
Matches 76; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

Qy 1568 ACCGATTTTATAAATAACTGAGCACCTTCTTTTAAACAAAAA 1627  
|||  
Db 2698 ACCACTGGTTAATAAATAACTAGAGCGGCTGTTAAAAA 2757  
|||

Qy 1628 AAAAAAAAAAAAAAAAAAAAAAAAAA 1658  
|||  
Db 2758 AAAAAAAAAAAAAAAAAAAAAAAAAA 2788  
|||

RESULT 14  
US-09-227-357-71  
Sequence 71, Application US/09227357  
Patent No. 6342581  
GENERAL INFORMATION:  
APPLICANT: Fischer et al.  
TITLE OF INVENTION: 123 Human Secreted Proteins  
FILE REFERENCE: P2010P1  
CURRENT APPLICATION NUMBER: US/09/227,357  
CURRENT FILING DATE: 1999-01-08  
EARLIER APPLICATION NUMBER: PCI/US98/13684  
EARLIER FILING DATE: 1998-07-07  
EARLIER APPLICATION NUMBER: 60/051,926  
EARLIER FILING DATE: 1997-07-08  
EARLIER APPLICATION NUMBER: 60/052,793  
EARLIER FILING DATE: 1997-07-08  
EARLIER APPLICATION NUMBER: 60/051,925  
EARLIER FILING DATE: 1997-07-08  
EARLIER APPLICATION NUMBER: 60/051,929  
EARLIER FILING DATE: 1997-07-08  
EARLIER APPLICATION NUMBER: 60/052,803  
EARLIER FILING DATE: 1997-07-08  
EARLIER APPLICATION NUMBER: 60/052,732  
EARLIER FILING DATE: 1997-07-08  
EARLIER APPLICATION NUMBER: 60/051,931  
EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/051,932  
EARLIER FILING DATE: 1997-07-08  
EARLIER APPLICATION NUMBER: 60/051,916  
EARLIER FILING DATE: 1997-07-08  
EARLIER APPLICATION NUMBER: 60/051,930  
EARLIER FILING DATE: 1997-07-08  
EARLIER APPLICATION NUMBER: 60/051,918  
EARLIER FILING DATE: 1997-07-08  
EARLIER APPLICATION NUMBER: 60/051,920  
EARLIER FILING DATE: 1997-07-08  
EARLIER APPLICATION NUMBER: 60/052,733  
EARLIER FILING DATE: 1997-07-08  
EARLIER APPLICATION NUMBER: 60/052,795  
EARLIER FILING DATE: 1997-07-08  
EARLIER APPLICATION NUMBER: 60/051,919  
EARLIER FILING DATE: 1997-07-08  
EARLIER APPLICATION NUMBER: 60/051,928  
EARLIER FILING DATE: 1997-07-08  
EARLIER APPLICATION NUMBER: 60/055,722  
EARLIER FILING DATE: 1997-08-18  
EARLIER APPLICATION NUMBER: 60/055,723  
EARLIER FILING DATE: 1997-08-18  
EARLIER APPLICATION NUMBER: 60/055,948  
EARLIER FILING DATE: 1997-08-18  
EARLIER APPLICATION NUMBER: 60/055,949  
EARLIER FILING DATE: 1997-08-18  
EARLIER APPLICATION NUMBER: 60/055,953  
EARLIER FILING DATE: 1997-08-18  
EARLIER APPLICATION NUMBER: 60/055,950  
EARLIER FILING DATE: 1997-08-18  
EARLIER APPLICATION NUMBER: 60/055,947  
EARLIER FILING DATE: 1997-08-18  
EARLIER APPLICATION NUMBER: 60/055,964  
EARLIER FILING DATE: 1997-08-18  
EARLIER APPLICATION NUMBER: 60/056,360  
EARLIER FILING DATE: 1997-08-18  
EARLIER APPLICATION NUMBER: 60/055,684  
EARLIER FILING DATE: 1997-08-18  
EARLIER APPLICATION NUMBER: 60/055,984  
EARLIER FILING DATE: 1997-08-18  
EARLIER APPLICATION NUMBER: 60/055,954  
EARLIER FILING DATE: 1997-08-18  
EARLIER APPLICATION NUMBER: 60/058,785  
EARLIER FILING DATE: 1997-09-12  
EARLIER APPLICATION NUMBER: 60/058,664  
EARLIER FILING DATE: 1997-09-12  
EARLIER APPLICATION NUMBER: 60/058,660  
EARLIER FILING DATE: 1997-09-12  
EARLIER APPLICATION NUMBER: 60/058,661  
EARLIER FILING DATE: 1997-09-12  
NUMBER OF SEQ ID NOS: 672  
SOFTWARE: Patent In Ver. 2.0  
SEQ ID NO 71  
LENGTH: 413  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: SITE  
LOCATION: (343)  
OTHER INFORMATION: n equals a,t,g, or c  
FEATURE:  
NAME/KEY: SITE  
LOCATION: (385)  
OTHER INFORMATION: n equals a,t,g, or c  
FEATURE:  
NAME/KEY: SITE  
LOCATION: (410)  
OTHER INFORMATION: n equals a,t,g, or c  
US-09-227-357-71

Query Match 4.0%; Score 66.6; DB 4; Length 413;  
Best Local Similarity 86.7%; Pred. No. 1.8e-07;  
Matches 72; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

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Qy 1576 TATAATAAAGTGGACCTCTTTTAAACAAAAA 1635
Db 318 TATACATATATCTAGTTCTTTTANAAAAA 377
Qy 1636 AAAAAAAAAAAAAAAAAAAAAA 1658
Db 378 AAAAAAAAAAAAAAAAAAAAAA 400

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RESULT 15

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US-09-621-976-16012
; Sequence 16012, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.Pm
; SEQ ID NO 16012
; LENGTH: 329
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-621-976-16012

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Query Match 4.0%; Score 66.2; DB 4; Length 329;
Best Local Similarity 85.1%; Pred. No. 2e-07;
Matches 74; Conservative 0; Mismatches 13; Indels 0; Gaps 0;
Qy 1572 ATTTTATAATAAAGTGGACCTCTTTTAAACAAAAA 1631
Db 240 ATTTTAAACCAACCAAGCTCTTCTATGAAAAA 299

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Qy 1632 AAAAAAAAAAAAAAAAAAAAAA 1658
Db 300 AAAAAAAAAAAAAAAAAAAAAA 326

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Search completed: May 30, 2004, 02:01:08  
Job time : 151 secs

GenCore version 5.1.6  
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OM protein - nucleic search, using frame\_plus\_p2n model

Run on: May 30, 2004, 02:13:55 ; Search time 420 Seconds  
(without alignments)  
3054.262 Million cell updates/sec

Title: US-10-063-567-60

Perfect score: 1431

Sequence: 1 MASLQILFWSIIIIIIA.....SSFFAISWALLPLSPYLMK 282

Scoring table:

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Ygapop 10.0 , Ygapext 0.5  
Fgapop 6.0 , Fgapext 7.0  
Delop 6.0 , Delext 7.0

Searched: 2960401 seqs, 2274450654 residues

Total number of hits satisfying chosen parameters: 5920802

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Database : Published Applications NA:

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4: /cgn2\_6/ptodata/1/pubpna/US06\_PUBCOMB.seq:  
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9: /cgn2\_6/ptodata/1/pubpna/US09A\_PUBCOMB.seq:  
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19: /cgn2\_6/ptodata/1/pubpna/US60\_PUBCOMB.seq:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Match	Length	DB ID	Description
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	1	1431	100.0	849	9	US-09-915-789A-6	Sequence 6, Appli
	2	1431	100.0	1065	9	US-09-877-065-5	Sequence 5, Appli
	3	1431	100.0	1658	9	US-09-989-722-290	Sequence 290, App
	4	1431	100.0	1658	9	US-09-989-723-290	Sequence 290, App
	5	1431	100.0	1658	9	US-09-989-279-290	Sequence 290, App
	6	1431	100.0	1658	9	US-09-989-727-290	Sequence 290, App
	7	1431	100.0	1658	9	US-09-989-731-290	Sequence 290, App
	8	1431	100.0	1658	9	US-09-989-732-290	Sequence 290, App
	9	1431	100.0	1658	9	US-09-991-073-290	Sequence 290, App
	10	1431	100.0	1658	9	US-09-980-442-290	Sequence 290, App
	11	1431	100.0	1658	9	US-09-931-163-290	Sequence 290, App
	12	1431	100.0	1658	9	US-09-993-604-290	Sequence 290, App
	13	1431	100.0	1658	9	US-09-990-456-290	Sequence 290, App
	14	1431	100.0	1658	9	US-09-989-721-290	Sequence 290, App
	15	1431	100.0	1658	9	US-09-992-598-290	Sequence 290, App
	16	1431	100.0	1658	9	US-09-989-293A-290	Sequence 290, App
	17	1431	100.0	1658	9	US-09-989-735-290	Sequence 290, App
	18	1431	100.0	1658	9	US-09-989-444-290	Sequence 290, App
	19	1431	100.0	1658	9	US-09-991-181-290	Sequence 290, App
	20	1431	100.0	1658	9	US-09-989-730-290	Sequence 290, App
	21	1431	100.0	1658	9	US-09-990-436-290	Sequence 290, App
	22	1431	100.0	1658	9	US-09-993-687-290	Sequence 290, App
	23	1431	100.0	1658	10	US-09-989-734-290	Sequence 290, App
	24	1431	100.0	1658	10	US-09-997-653-290	Sequence 290, App
	25	1431	100.0	1658	10	US-09-993-667-290	Sequence 290, App
	26	1431	100.0	1658	10	US-09-997-428-290	Sequence 290, App
	27	1431	100.0	1658	10	US-09-997-666-290	Sequence 290, App
	28	1431	100.0	1658	10	US-09-990-438-290	Sequence 290, App
	29	1431	100.0	1658	10	US-09-990-562-290	Sequence 290, App
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	36	1431	100.0	1658	10	US-09-997-573-290	Sequence 290, App
	37	1431	100.0	1658	10	US-09-991-172-290	Sequence 290, App
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	39	1431	100.0	1658	10	US-09-997-559-290	Sequence 290, App
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	44	1431	100.0	1658	10	US-09-997-628-290	Sequence 290, App
	45	1431	100.0	1658	10	US-09-997-683-290	Sequence 290, App

#### ALIGNMENTS

RESULT 1  
US-09-915-789A-6  
; Sequence 6: Application US/09915789A  
; Patent No. US20020168762A1  
; GENERAL INFORMATION:  
; APPLICANT: Chen, Lieping  
; TITLE OF INVENTION: B7-H3 AND B7-H4, NOVEL IMMUNOREGULATORY  
; TITLE OF INVENTION: MOLECULES  
; FILE REFERENCE: 07039-219001  
; CURRENT APPLICATION NUMBER: US/09/915,789A  
; PRIOR FILING DATE: 2002-06-04  
; PRIOR APPLICATION NUMBER: US 60/220,991  
; PRIOR FILING DATE: 2000-07-27  
; NUMBER OF SEQ ID NOS: 23  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 6  
; LENGTH: 849  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-915-789A-6

Alignment Scores: 1.7e-172 Length: 849  
Pred. No.: 1.7e-172 Length: 849



Score: 1431.00 Matches: 282  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 100.00% Indels: 0  
DB: 9 Gaps: 0

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Qy 1 MetAlaSerLeuGlyGlnIleLeuPheTrpSerIleLeuSerIleLeuVal 20  
Db 1 ATGGCTTCCCTGGGCGAGATCCTCTTCTGGAGCATAATTAGCATCATATTATTCGGCT 60  
Qy 21 GlyAlaIleAlaLeuIleGlyPheGlyIleSerGlyArgHisSerIleThrValThr 40  
Db 61 GGAGCAATTCGACTCATATTGGCTTTGGTATTTTTCAGGGAGACACTCCATCAGAGTCACT 120  
Qy 41 ThrValAlaSerAlaGlyAlaGlyGlnIleLeuSerCysThrPheGluPro 60  
Db 121 ACTGTCGCTCAGCTGGGAGATCGGAGATCGGATCCTGAGCTGCACCTTTGACCT 180  
Qy 61 AspIleLeuSerAspIleValIleGlnTrpLeuGlyGlnValLeuVal 80  
Db 181 GACATCAAACTTCTGATATCGTATACAAATGGCTGGAAGAGGTGTTTAGGCTTGGCT 240  
Qy 81 HisGluPheLeuGlyGlnIleLeuSerGlnIleLeuMetPheArgGlyArg 100  
Db 241 CATGATTCGAGAGGCGAGATGAGCTGTCGGAGCAGGATGAAATGTTTCAGAGCGCG 300  
Qy 101 ThrAlaValPheAlaAspGlnValIleValGlyAlaSerLeuArgLeuVal 120  
Db 301 ACAGCAGTGTTCGCTGATCAAGTATGATGCGAATGCTCTTTCGGCTGAAAGCGTG 360  
Qy 121 GlnLeuThrAspAlaGlyThrTrpCysTrpIleIleThrSerLeuGlyValVal 140  
Db 361 CAACTCACAGATGCTGGGACCTTACAAATGTTATATCATCATCTTCTAAAGCGAGGGAAT 420  
Qy 141 AlaAsnLeuGluTrpLeuThrGlyAlaPheSerMetProGluValAsnValAspTrp 160  
Db 421 GCTAACCTTGATATAAACTGGAGCTTCAGCATGCGGAGTGAATGTGCACTATAAT 480  
Qy 161 AlaSerSerGluThrLeuArgCysGluAlaProArgTrpPheProGlnProThrValVal 180  
Db 481 GCCAGCTCAGAGACTTGGCGGTGAGGCTCCCGATGGTTCCCGCCAGCCACAGTGGTC 540  
Qy 181 TrpAlaSerGlnValAspGlnGlyAlaAsnPheSerGluValSerAsnThrSerPheGlu 200  
Db 541 TGGGCATCCCAAGTTGACCGAGGAGCCAACTTCTCGGAAGTCTCCAAATACCACTTTGAG 600  
Qy 201 LeuAsnSerGluAsnValThrMetIleValValSerValLeuTrpAsnValThrIleAsn 220  
Db 601 CTGAATCTGAATGTGACCATGAAGTGTGTCTGCTGCTCAATGTTTACCATCAAC 660  
Qy 221 AsnThrTrpSerCysMetIleGluAsnAspIleAlaIleValThrGlyAspIleVal 240  
Db 661 AACACATCTCTGTATGATTGAAATGACATTGCAAGCAACAGGGGATATCAAGTG 720  
Qy 241 ThrGluSerGluIleValArgArgSerHisLeuGlnLeuLeuAsnSerLeuVal 260  
Db 721 ACAGAACTCGAGATCAAAAGGCGGAGTCACTACAGCTGCTGCTGCTCAAGGCTTCTCTG 780  
Qy 261 CysValSerSerPheAlaIleSerTrpAlaLeuLeuProLeuSerProTrpLeuMet 280  
Db 781 TGTGTCTCTTCTTTCTTGGCATCAGCTGGGCACTTCTGCTCTCAGGCCCTTACCTGATG 840  
Qy 281 LeuLys 282  
Db 841 CTAATAA 846

RESULT 2

US-09-877-065-5

; Sequence 5, Application US/09877065

; Patent No. US20020051990A1

; GENERAL INFORMATION:

; APPLICANT: OPLE, ERIC  
; APPLICANT: MCLACHLAN, KAREN  
; APPLICANT: HEARD, CHERYL J.  
; TITLE OF INVENTION: NOVEL GENE TARGETS AND LIGANDS THAT BIND THERETO FOR  
; TITLE OF INVENTION: TREATMENT AND DIAGNOSIS OF OVARIAN CARCINOMAS  
; FILE REFERENCE: 037003-0280631  
; CURRENT APPLICATION NUMBER: US/09/877,065  
; PRIOR FILING DATE: 2001-06-11  
; PRIOR APPLICATION NUMBER: 60/210,451  
; NUMBER OF SEQ ID NOS: 14  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 5  
; LENGTH: 1065  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-877-065-5

Alignment Scores:

Pred. No.: 2,466-172 Length: 1065  
Score: 1431.00 Matches: 282  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 100.00% Indels: 0  
DB: 9 Gaps: 0

US-10-063-567-60 (1-282) x US-09-877-065-5 (1-1065)

Qy 1 MetAlaSerLeuGlyGlnIleLeuPheTrpSerIleLeuSerIleLeuVal 20  
Db 72 ATGGCTTCCCTGGGCGAGATCCTCTTCTGGAGCATAATTAGCATCATATTATTCGGCT 131  
Qy 21 GlyAlaIleAlaLeuIleGlyPheGlyIleSerGlyArgHisSerIleThrValThr 40  
Db 132 GGAGCAATTCGACTCATATTGGCTTTGGTATTTTTCAGGGAGACCTCCATCAGTCACT 191  
Qy 41 ThrValAlaSerAlaGlyAlaGlyGlnIleLeuSerCysThrPheGluPro 60  
Db 192 ACTGTCGCTCAGCTGGGAGATCGGAGATCGGATCCTGAGCTGCACCTTTGACCT 251  
Qy 61 AspIleLeuSerAspIleValIleGlnTrpLeuGlyGlnValLeuVal 80  
Db 252 GACATCAAACTTCTGATATCGTATACAAATGGCTGGAAGAGGTGTTTAGGCTTGGTC 311  
Qy 81 HisGluPheLeuGlyGlnIleLeuSerGluValSerGluValMetPheArgGlyArg 100  
Db 312 CATGATTCAAAGAGGCAAGATGAGCTGTCGGAGCAGGATGAAATGTTTCAGAGCGCG 371  
Qy 101 ThrAlaValPheAlaAspGlnValIleValGlyAlaSerLeuArgLeuVal 120  
Db 372 ACAGCAGTGTTCGCTGATCAAGTATGATGCGAATGCTCTTTCGGCTGAAAGCGTG 431  
Qy 121 GlnLeuThrAspAlaGlyThrTrpCysTrpIleIleThrSerIleGlyValVal 140  
Db 432 CAACTCACAGATGCTGGCACCTTACAAATGTTATATCATCATCTTCTAAAGGCAAGGGAAT 491  
Qy 141 AlaAsnLeuGluTrpIleValPheSerMetProGluValAsnValAspTrpAsn 160  
Db 492 GCTAACCTTGAATATAAACTGGAGCTTCAGCATGCGGAGATGAATGTGAGTATATAT 551  
Qy 161 AlaSerSerGluThrLeuArgCysGluAlaProArgTrpPheProGlnProThrValVal 180  
Db 552 GCCAGCTCAGAGACCTTGGGCTGAGGCTCCCGATGGTTCCCGCCAGCCACAGTGGTC 611  
Qy 181 TrpAlaSerGlnValAspGlnGlyAlaAsnPheSerGluValSerAsnThrSerPheGlu 200  
Db 612 TGGGCATCCCAAGTTGACCGAGGAGCAACTTCTCGGAAGTCTCCAAATACCACTTTGAG 671  
Qy 201 LeuAsnSerGluAsnValThrMetIleValValSerValLeuTrpAsnValThrIleAsn 220  
Db 672 CTGAATCTGAGATGATGATGACCATGAAGTGTGTGCTGCTCTACATGTTACGATCAAC 731  
Qy 221 AsnThrTrpSerCysMetIleGluAsnAspIleAlaIleValThrGlyAspIleVal 240

Db 732 AACACATCTCTGATGATTTGAATGACATTTGCCAAGCAACAGGGGATATCAAGTG 791  
Qy 241 ThrGluSerGluLeuLysArgSerHisLeuGlnLeuLeuAanSerLysAlaSerLeu 260  
Db 792 ACAAAATCGGAGATCAAAAGCGGAGTCACTACAGCTGTAACTCAAGGGCTTCTCTG 851  
Qy 261 CysValSerSerPheAlaIleSerTirAlaLeuLeuProLeuSerProTyrLeuMet 280  
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Qy 281 LeuLys 282  
Db 912 CTRAAA 917

RESULT 3

US-09-989-722-290  
; Sequence 290. Application US/09989722  
; Patent No. US20020072067A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Deanovers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kijavini, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; TITLE OF INVENTION: Acids Encoding the Same  
; FILE REFERENCE: P2730PIC63  
; CURRENT APPLICATION NUMBER: US/09/989,722  
; CURRENT FILING DATE: 2001-11-19  
; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/065186  
; PRIOR FILING DATE: 1997-11-12  
; PRIOR APPLICATION NUMBER: 60/065311  
; PRIOR FILING DATE: 1997-11-13  
; PRIOR APPLICATION NUMBER: 60/066770  
; PRIOR FILING DATE: 1997-11-24  
; PRIOR APPLICATION NUMBER: 60/075945  
; PRIOR FILING DATE: 1998-02-25  
; PRIOR APPLICATION NUMBER: 60/078910  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/083322  
; PRIOR FILING DATE: 1998-04-28  
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; PRIOR APPLICATION NUMBER: 60/087106  
; PRIOR FILING DATE: 1998-05-28  
; PRIOR APPLICATION NUMBER: 60/087607  
; PRIOR FILING DATE: 1998-06-02  
; PRIOR APPLICATION NUMBER: 60/087609  
; PRIOR FILING DATE: 1998-06-02

; PRIOR APPLICATION NUMBER: 60/087759  
; PRIOR FILING DATE: 1998-06-02  
; PRIOR APPLICATION NUMBER: 60/087827  
; PRIOR FILING DATE: 1998-06-03  
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;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

Alignment Scores:

Pred. No.: 5.08e-172 Length: 1658  
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Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 100.00% Indels: 0  
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US-10-063-567-60 (1-282) x US-09-989-722-290 (1-1658)

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Db 121 GGAGCAATGGCACTCATCATTTGGTATTTCAGGAGACACTCCATCATCAGTCACT 180

QY 41 ThrValAlaSerAlaGlyAsnIleGlyAspGlyIleLeuSerCysThrPheGluPro 60  
Db 181 ACTGTGGCTCAGCTGGGAACATTGGGAGGATGGAATCCTGAGTGCACATTTGAACCT 240

QY 61 AspIleLysLeuSerAspIleValIleGlnTrpLeuLysGlyValLeuGlyVal 80  
Db 241 GACATCAAACTTTCTGATATCGTATCAATGGCTGAAAGGAGGTGTTTTAGGCTTGTG 300

QY 81 HisGluPheLysGlyGlyLeuSerGluGlnAspGluMetPheArgGlyArg 100  
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QY 141 AlaAsnLeuGluTrpLysThrGlyAlaPheSerMetProGluValAsnValAspTrpAsn 160  
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QY 161 AlaSerSerGluThrLeuArgCysGluAlaProArgTrpPheProGlnProThrValVal 180  
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QY 261 CysValSerSerPhePheAlaIleSerTrpAlaLeuLeuProLeuSerProTrpLeuMet 280  
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QY 281 LeuLys 282  
Db 901 CTAATAA 906

RESULT 4

US-09-989-723-290  
; Sequence 290, Application US/09989723  
; Patent No. US20020072092A1

GENERAL INFORMATION:  
APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Desrochers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Guiney, Austin L.  
APPLICANT: Kljavin, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas P.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
TITLE OF INVENTION: Acids Encoding the Same  
FILE REFERENCE: P2730P1C62  
CURRENT APPLICATION NUMBER: US/09/989,723  
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PRIOR APPLICATION NUMBER: 60/090429  
PRIOR FILING DATE: 1998-06-24

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61 AspilleLysLeuSerAspilleValleGlnTrpLeuLysGluGlyValLeuGlyLeuVal 80  
241 GACATCAAACTTTCTGATATCGTATACAAATGGCTGAAGGAAGGTGTTTTAGGCTTGGTC 300  
81 HisGluPheLysGluGlyLysAspGluLeuSerGluGlnAspGluMetPheArgGlyArg 100  
301 CATGAGTTCAAGAGAGGCAAGATGAGCTGTGGAGAGGATGAATGTTTCAGAGCGCG 360  
101 ThrAlaValPheAlaAspGlnValleValGlyAsnAlaSerLeuArgLeuLysAsnVal 120  
361 ACAGCAGTGTGTTGCTGATCAAGTGTAGTTGGCAATGCTCTTTGCGGTGAAAAACGCTG 420  
121 GlnLeuThrAspAlaGlyThrTrpLysCysTrpLleLleThrSerLysGlyLysGlyAsn 140  
421 CCACTCAGAGATGCTGGCACCTACAAATGTTATATCATCATCTTCTAAGGCAAGGGGAT 480  
141 AlaAsnLeuGluTrpLysThrGlyAlaPheSerMetProGluValAsnValAspTrpAsn 160  
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541 GCCAGCTCAGAGACCTTCGGGTGTGAGGTCCCGATGGTTCCTCCAGCCACAGTGGTC 600  
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201 LeuAsnSerGluAsnValThrMetLysValValSerValLeuTrpAsnValThrIleAsn 220  
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281 LeuLys 282  
901 CTAATA 906

RESULT 5  
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; Sequence 290, Application US/09989279  
; Patent No. US20020072496A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Borstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kijavins, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Pacini, Nicholas F.  
; APPLICANT: Roy, Margaret Ann

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PRIOR FILING DATE: 1998-07-07  
PRIOR APPLICATION NUMBER: 60/092182  
PRIOR FILING DATE: 1998-07-09

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US-10-063-567-60 (1-282) x US-09-989-723-290 (1-1658)

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QY 21 GlyAlaIleAlaLeuIleIleGlyPheGlyIleSerGlyArgHisSerIleThrValThr 40  
Db 121 GAGAGCAATTCATCATCTGCTTGGCTTTGATTTTTCAGGAGACATCCCATCAGTCACT 180  
QY 41 ThrValAlaSerLacIleGlyGluAspGlyIleLeuSerCysThrPheGluPro 60

APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2730PAC56  
CURRENT APPLICATION NUMBER: US/09/989,279  
CURRENT FILING DATE: 2001-11-19  
PRIOR APPLICATION NUMBER: 60/049787  
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QY 161 AlaserSerGluThrLeuArgCysGluAlaProArgTTPheProGlnProThrValVal 180  
DB 541 GCCAGCTCAGAGACCTTCGGTGTGAGGCTCCCGATGGTTCCCGCAGCCACAGTGTGC 600  
QY 181 TTPAlaserGlnValAspGlnGlyAlaAsnPheSerGluValSerAsnThrSerPheGlu 200  
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QY 201 LeuAsnSerGluAsnValThrMetLysValValSerValLeuValLeuValThrIleAsn 220  
DB 661 CTGAACCTCTGAGAAATGTGACCATGAAGTTGTGTCTGTCTCTACAAATGTTACGATCAAC 720  
QY 221 AsnThrTySerCysMetIleGluAsnAspIleAlaLysAlaThrGlyAspIleLysVal 240  
DB 721 AACACATATCTCTGTATGATTGAAATGACATTGCCAAGGCAACAGGCGATATCAAGTG 780  
QY 241 ThrGluSerGluIleLysArgSerHisLeuGlnLeuLeuAsnSerLysAlaSerLeu 260  
DB 781 ACAGAATCGAGATCAAAAGGCGGAGTCACCTACAGCTGCTAAATCTCAAGGCTTCTCTG 840  
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DB 841 TGTGTCT 900

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US-09-989-727-290

Sequence 290, Application US/09989727  
Patent No. US20020072497A1  
GENERAL INFORMATION:  
APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
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APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2730PIC65  
CURRENT APPLICATION NUMBER: US/09/989,727  
CURRENT FILING DATE: 2001-11-19  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-16  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
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PRIOR FILING DATE: 1997-11-12  
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PRIOR FILING DATE: 1998-07-02  
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PRIOR FILING DATE: 1998-07-07  
PRIOR APPLICATION NUMBER: 60/091982  
PRIOR FILING DATE: 1998-07-07  
PRIOR APPLICATION NUMBER: 60/092182  
PRIOR FILING DATE: 1998-07-09

Alignment Scores:

Pred. No.: 5.08e-172 Length: 1658  
Score: 1431.00 Matches: 282  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 100.00% Indels: 0  
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QY 61 AspileLysLeuSerAspileValIleGlnTrpLeuLysGluGlyValLeuGlyLeuVal 80  
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QY 101 ThrAlaValPheAlaAspGlnValIleValGlyAsnAlaSerLeuArgLeuLysAsnVal 120  
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PRIOR FILING DATE:	1998-03-20
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PRIOR FILING DATE:	1998-06-02
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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Alignment Scores:
Pred. No.: 5,08e-172 Length: 1658
Score: 1431.00 Matches: 282
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
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DB 121 GGAGCAATTGCATCATCATTTGGTATTTTCAGGAGACACTCCATCAGATCACT 180
QY 41 ThrValAlaSerAlaGlyAsnIleGlyGluAspGlyIleLeuSerCysThrPheGluPro 60
DB 181 ACTGTGGCTCAGCTGGGAGCAATTTGGGAGATGGATCTCGAGTCGACTTTTGAACCT 240
QY 61 AspleIysLeuSerAspIleValIleGlnTrpLeuIysGluGlyValLeuGlyLeuVal 80
DB 241 GACATCAAACTTTCTGATATCTGTATGATCAATGGTGAAGGAGGTGTTTAGGCTTGGTC 300
QY 81 HisGluPheIysGluGlyValAspGluLeuSerGluGlnAspGluMetPheArgGlyArg 100
DB 301 CATGAGTTCAAGAGGCAAGATGAGCTGTGGAGCGAGGATGAATGTTTCAGAGGCGG 360
QY 101 ThrAlaValPheAlaAspGlnValIleValGlyAsnAlaSerLeuArgLeuIysAsnVal 120
DB 361 ACAGCAGTGTCTGTGATCAAGTATGATCTTGGCAATGCTCTTTCGCGCTGAAAAAGCTG 420
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DB 541 GCCAGCTCAGAGACTTGGCGTGTGAGGCTCCCGATGGTTCGCCCGCCACAGTGGTC 600
QY 181 TrpAlaSerGlnValAspGlnGlyAlaAsnPheSerGluValSerAsnThrSerPheGlu 200
DB 601 TGGGCATCCCAAGTTGACCGAGGAGCAACTCTCTCGAAGTCTCCAAATACCAAGCTTTGAG 660
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; Patent No. US20020103125A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC70
; CURRENT APPLICATION NUMBER: US/09/989,731
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
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61	PRIOR APPLICATION NUMBER: 60/091633
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63	PRIOR APPLICATION NUMBER: 60/091978
64	PRIOR FILING DATE: 1998-07-07
65	PRIOR APPLICATION NUMBER: 60/091982
66	PRIOR FILING DATE: 1998-07-07
67	PRIOR APPLICATION NUMBER: 60/092182
68	PRIOR FILING DATE: 1998-07-09

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Length: 1658
Matches: 282
Conservative: 0
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; Patent No. US20020123463A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.

APPLICANT: Botstein, David  
APPLICANT: Desnovers, Luc  
APPLICANT: Eaton, Dan L.  
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APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2730P1C57  
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CURRENT FILING DATE: 2001-11-19  
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; PRIOR APPLICATION NUMBER: 60/091982
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; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

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Qy      21 GlyAlaIleAlaLeuIleIleGlyPheClyIleSerGlyArgHisSerIleThrValThr 40
Db      121 GGAGCAATTGCACATCATATTGGCTTTGGTATTTTCAGGAGACACTTCATCAGTCACT 180
Qy      41 ThrValAlaSerAlaGlyAsnIleGlyGluAspGlyIleLeuSerCysThrPheGluPro 60
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Db 781 ACAGAACTCGAGATCAAAAGCGGAGTCACTACAGTGTCTAACTCAAGGCTTCTCTG 840  
Qy 261 CysValSerSerPheAlaIleSerTrpAlaLeuLeuProLeuSerProTyrLeuMet 280  
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Qy 281 LeuLys 282  
Db 901 CTAAAA 906

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US-09-991-073-290  
; Sequence 290, Application US/09991073  
; Patent No. US2002012756A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kijavir, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas P.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.

; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; TITLE OF INVENTION: Acids Encoding the Same  
; FILE REFERENCE: P2730P1C15  
; CURRENT APPLICATION NUMBER: US/09/991,073  
; CURRENT FILING DATE: 2001-11-14  
; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/065186  
; PRIOR FILING DATE: 1997-11-12  
; PRIOR APPLICATION NUMBER: 60/065311  
; PRIOR FILING DATE: 1997-11-13  
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; PRIOR FILING DATE: 1997-11-24  
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; Patent No. US20020132252A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C8
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; CURRENT FILING DATE: 2001-11-14
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; PRIOR APPLICATION NUMBER: 60/091982  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/092182  
; PRIOR FILING DATE: 1998-07-09

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Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 100.00% Indels: 0  
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QY 281 LeuLys 282
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; Patent No. US20020132253A1
; GENERAL INFORMATION:
; APPLICANT: Ashtenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
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; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C17
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US-10-063-567-60 (1-282) x US-09-993-604-290 (1-1658)

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APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Desnoyers, Luc  
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;; FILE OF INVENTION: Acids Encoding the Same  
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;; PRIOR APPLICATION NUMBER: 60/090696  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090862  
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;; PRIOR APPLICATION NUMBER: 60/091544  
;; PRIOR FILING DATE: 1998-07-01  
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;; PRIOR APPLICATION NUMBER: 60/091626  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091633  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091978  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/091982  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

## Alignment Scores:

Pred. No.: 5,08e-172 Length: 1658  
Score: 1431.00 Matches: 282  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 100.00% Indels: 0  
DB: 9 Gaps: 0

US-10-063-567-60 (1-282) x US-09-990-456-290 (1-1658)

QY 1 MetAlaSerLeuGlyGlnIleLeuPheTrpSerIleIleSerIleIleIleLeuAla 20  
Db 61 ATGGCTCCCTGGGCGAGATCCCTCTCTGGAGCATATAGCATCATCTATTCTGGCT 120  
QY 21 GlyAlaIleAlaIleIleIleGlyPheGlyIleSerGlyArgHisSerIleThrValThr 40  
Db 121 GGAGCAATTCACATCATCTATGCTTTGGTATTTCAGGAGACATCCATCAGTCACT 180  
QY 41 ThrValAlaSerAlaGlyAsnIleGlyGluAspGlyIleLeuSerCysThrPheGluPro 60  
Db 181 ACTGTCCCTCAGCTGGGAACATTTGGGAGATGGATCTCTGAGCTGCATTTTGAACCT 240  
QY 61 AspIleLysLeuSerAspIleValIleGlnTrpLeuLysGluGlyValLeuGlyLeuVal 80  
Db 241 GACATCAAACTTTCTGATACGTTGATACAAATGCTGAAGGAGGCTGTTTAGGCTTGGTC 300  
QY 81 HisGluPheLysGluGlyLysAspGluLeuSerGluGlnAspGluMetPheArgGlyArg 100  
Db 301 CATGATTCAGAGCAAGCAAGATGAGCTGCGAGCAGATGAATGTTTCAGAGCCCG 360  
QY 101 ThrAlaValPheAlaAspGlnValIleValGlyAsnAlaSerLeuArgLeuLysAsnVal 120  
Db 361 ACAGCAGTGTGCTGATCAAGTGATAGTTGGCAATGCCCTTTTGGGCTGAAAAACGTG 420  
QY 121 GlnLeuThrAspAlaGlyThrTrpLysCysTyIleIleThrSerLysGlyLysGlyAsn 140  
Db 421 CAATCAGATGCTGGCAGCTCAAAATGTTATATCATCTCTTCTAAAGCAAGGGAAT 480  
QY 141 AlaAsnLeuGluTrpLysThrGlyAlaPheSerMetProGluValAsnValAspTyrAsn 160  
Db 481 GCTAACCTTGATATAACTGGAGCCTTCAGCATGCCGAGTGAATGTGGACTATAAT 540  
QY 161 AlaSerSerGluThrLeuArgCysGluAlaProArgTrpPheProGlnProThrValVal 180  
Db 541 GCCAGCTCAGAGACCTTTCGGTGTGAGGCTCCCGATGGTTCCCGCCAGCCACAGTGGTC 600

QY 181 TrpAlaSerGlnValAspGlnGlnGlyAlaAsnPheSerGluValSerAsnThrSerPheGlu 200  
Db 601 TGGGCATCCCAAGTTGACCAAGGAGCAACTTCTCGGAAGTCTCCAATACCAAGTTGAG 660  
QY 201 LeuAsnSerGluAsnValThrMetLysValValSerValLeuTyrAsnValThrIleAsn 220  
Db 661 CTGAACCTCTGAGAATGTGACCATGAGGTTGTGTCTGTCTCTACAAATGTACCATCAAC 720  
QY 221 AsnThrTrpSerCysMetIleGluAsnAspIleAlaLysAlaLysAlaThrGlyAspIleLysVal 240  
Db 721 AACACATACCTCTGTATGATTTGAAATGACATTTGCCAAAGCAACAGGGGATATCAAAGTG 780  
QY 241 ThrGluSerGluIleLysArgSerHisLeuGlnLeuLeuAsnSerLysAlaSerLeu 260  
Db 781 ACAGAATCGGAGATCAAAAGCGGAGTCACCTACAGCTGTCTAAACTCAAAGGCTTCTCTG 840  
QY 261 CysValSerSerPheAlaIleSerTrpAlaLeuLeuProLeuSerProTyrLeuMet 280  
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QY 281 LeuLys 282  
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; Sequence 290, Application US/09989721  
; Patent No. US20020142961A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE OF INVENTION: Acids Encoding the Same  
; FILE REFERENCE: P2730P1C55  
; CURRENT APPLICATION NUMBER: US/09/989,721  
; CURRENT FILING DATE: 2001-11-19  
; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/065186  
; PRIOR FILING DATE: 1997-11-12  
; PRIOR APPLICATION NUMBER: 60/065311  
; PRIOR FILING DATE: 1997-11-13  
; PRIOR APPLICATION NUMBER: 60/066770  
; PRIOR FILING DATE: 1997-11-24  
; PRIOR APPLICATION NUMBER: 60/075945  
; PRIOR FILING DATE: 1998-02-25  
; PRIOR APPLICATION NUMBER: 60/078910  
; PRIOR FILING DATE: 1998-03-20

PRIOR APPLICATION NUMBER: 60/083322  
 PRIOR FILING DATE: 1998-04-28  
 PRIOR APPLICATION NUMBER: 60/084600  
 PRIOR FILING DATE: 1998-05-07  
 PRIOR APPLICATION NUMBER: 60/087106  
 PRIOR FILING DATE: 1998-05-28  
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 PRIOR APPLICATION NUMBER: 60/089599

1 PRIOR APPLICATION NUMBER: 60/091633  
2 PRIOR FILING DATE: 1998-07-02  
3 PRIOR APPLICATION NUMBER: 60/091978  
4 PRIOR FILING DATE: 1998-07-07  
5 PRIOR APPLICATION NUMBER: 60/091982  
6 PRIOR FILING DATE: 1998-07-07  
7 PRIOR APPLICATION NUMBER: 60/092182  
8 PRIOR FILING DATE: 1998-07-09

Alignment Scores:

Prod. No.: 5 08e-172 Length: 1658  
Score: 1431.00 Matches: 282  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 100.00% Indels: 0  
DB: 9 Gaps: 0

US-10-063-567-60 (1-282) x US-09-989-721-290 (1-1658)

QY 1 MetAlaSerLeuGlyGlnIleLeuPheTrpSerIleIleSerIleIleIleIleLeuAla 20  
DB 61 ATGGCTTCCCTGGGCGAGATCCCTCTCTGGAGGATAATAGCATCATCATATTCTGGCT 120  
QY 21 GlyValIleAlaLeuIleIleGlyPheGlyIleSerGlyValArgHisSerIleThrValThr 40  
DB 121 GGAGCAATTCATCATCATCTGGCTTGGTATTTTCAGGAGACACTCCATCCAGTCAT 180  
QY 41 ThrValAlaSerAlaGlyAsnIleGlyGluAspGlyIleLeuSerCysThrPheGluPro 60  
DB 181 ACTGTCCCTCAGCTGGGAACATGGGAGGATGGAATCCTGAGCTGCATTTTGAACCT 240  
QY 61 AspIleIleYsSerAspIleValIleGlnTrpLeuYsGluGlyValLeuGlyLeuVal 80  
DB 241 GACATCAAACTTCTGTATCTCGTATCAATGGCTTGGTATTCAGGAGAGGTTTGTAGCTTGGTC 300  
QY 81 HisGluPheYsGluGlyLysAspGluLeuSerGluGlnAspGluMetPheArgGlyArg 100  
DB 301 CATGAGTTCAAAGAAAGCAAGATGAGCTGTCCGAGCAGGATGAATGTTTCAGAGCCGG 360  
QY 101 ThrIleValPheAlaAspGlnValIleValGlyAsnAlaSerLeuArgLeuYsAsnVal 120  
DB 361 ACAGCAGTGTGTGTGATCAAGTATGATGGCAATGCCCTTGTGGGCTGAAAAACGGT 420  
QY 121 GlnLeuThrAspAlaGlyThrYsCysYrIleIleThrSerYsGlyLysGlyAsn 140  
DB 421 CAATCAGAGTGTGGCACTCAATATGATATATCATCATCTTCTAAAGCAAGGGAAT 480  
QY 141 AlaAsnLeuGluYrYsThrGlyAlaPheSerMetProGluValAsnValAspYrAsn 160  
DB 481 GCTAACCTTCAGTATAAACTGGAGCCTTCAGCATGCCGAAGTGAATGTGGACTATAAT 540  
QY 161 AlaSerSerGluThrLeuArgCysGluAlaProArgTrpPheProGlnProThrValVal 180  
DB 541 GCCAGCTCAGAGACTTGGCGGTGTGAGGCTCCCGATGGTTCCTCCAGCCCAAGTGTGTC 600  
QY 181 TrpAlaSerGlnValAspGlnGlyAlaAsnPheSerGluValSerAsnThrSerPheGlu 200  
DB 601 TGGGCATCCCAAGTTGACCAGGAGCCAACTTCTCGGAAGTCTCCCAATACCAAGCTTTGAG 660  
QY 201 LeuAsnSerGluAsnValThrMetYsValValSerValLeuYrAsnValThrIleAsn 220  
DB 661 CTGAACCTCGAAGTGTGACCATGAAGTTGTGTCTGTCTCAATGTTCAGATCCAC 720  
QY 221 AsnThrYrSerCysMetIleGluAsnAspIleAlaYsAlaThrGlyAspIleYsVal 240  
DB 721 AACACATACTCTGTATGATTGAAATGACATTCGCAAGCAACAGGGGATATCAAAAGT 780  
QY 241 ThrGluSerGluIleYsArgArgSerHisLeuGlnLeuLeuAsnSerYsAlaSerLeu 260  
DB 781 ACAGAACTCGAGATCAAAAGCGGAGTCACTACAGCTGTCTAAACTCAAGGCTTCTCTG 840  
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DB 841 TGTCTCTCTCTCTCTCTCTTTTGGCATCAGCTGGGCACTTCTGCTCTCAGCCCTTACCTGATG 900  
QY 281 LeuYs 282  
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RESULT 15

US-09-992-598-290  
; Sequence 290, Application US/09992598  
; Patent No. US20020160384A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Deenoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
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; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE OF INVENTION: Acids Encoding the Same  
; FILE REFERENCE: P2730P1C20  
; CURRENT APPLICATION NUMBER: US/09/992,598  
; CURRENT FILING DATE: 2001-11-14  
; PRIOR APPLICATION NUMBER: 60/049787  
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; PRIOR FILING DATE: 1998-06-04  
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; PRIOR FILING DATE: 1998-06-04  
; PRIOR APPLICATION NUMBER: 60/088026

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 , PRIOR APPLICATION NUMBER: 60/091978  
 , PRIOR FILING DATE: 1998-07-07  
 , PRIOR APPLICATION NUMBER: 60/091982  
 , PRIOR FILING DATE: 1998-07-07  
 , PRIOR APPLICATION NUMBER: 60/092182  
 , PRIOR FILING DATE: 1998-07-09

Alignment Scores:  
 Pred. No.: 5.08e-172  
 Score: 1431.00  
 Percent Similarity: 100.00%  
 Best Local Similarity: 100.00%  
 Query Match: 100.00%  
 DB: 9  
 Length: 1658  
 Matches: 282  
 Conservative: 0  
 Mismatches: 0  
 Indels: 0  
 Gaps: 0

US-10-063-567-60 (1-282) x US-09-992-598-290 (1-1658)

Tue Jun 1 07:51:42 2004

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Db	61	ATGCTTCCCTGGGGCAGATCCTCTTGTGGAGCATAAATTAGCATCATTAATTCTGGCT	120
Qy	21	GlyAlaIleAlaLeuIleIleGlyPheClyIleSerGlyArgHisSerIleThrValThr	40
Db	121	GGAGCAATTGCATCATATTGGCTTTGGTATTTTCAGGAGACACTCCATCACAAGTCACT	180
Qy	41	ThrValAlaSerAlaGlyAsnIleGlycyluAspGlyIleLeuSerCysThrPheGluPro	60
Db	181	ACTGTGCCTCAGCTGGGAAACATTTGGGAGGATGGAATCTCTGAGCTGCACCTTTTGAACCT	240
Qy	61	AspIleIysLeuSerAspIleValIleGlnTrpLeuIysGlyValLeuGlyLeuVal	80
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Qy	81	HisGluPheIysGluGlyIysAspGluLeuSerGluGlnAspGluMetPheArgGlyArg	100
Db	301	CATGAGTTCAAAGAAGGCANAGATGAGCTGTGCGAGCAGGATGAAATGTTTCAGAGGCCG	360
Qy	101	ThrAlaValPheAlaAspGlnValIleValGlyAsnAlaSerLeuArgLeuIysAsnVal	120
Db	361	ACAGCAGTGTGTGTCATCAAGTATAGTTGGCAATGCCTCTTTGCGGCTGAAAAAGCGT	420
Qy	121	GlnLeuThrAspAlaGlyThrTyrlsCysVtyrIleIleThrSerLysGlyLysGlyAsn	140
Db	421	CAACTCACAGATGTGGCACCTCAAAAGTTATATCATCATCTTCTTAAAGGCACAGGGGAT	480
Qy	141	AlaAsnLeuGluTyrlsThrGlyAlaPheSerMetProGluValAsnValAspTyrAsn	160
Db	481	GCTAACTTTGAGTATAAACTGGAGCCTTCAGCATGCCGGAAGTGAATGTGCACTATAAT	540
Qy	161	AlaSerSerGluThrLeuArgCysGluAlaProArgTrpPheProGlnProThrValVal	180
Db	541	GCCAGCTCAGAGACCTTCGGGTGTGAGGCTCCCCGATGGTTCCCCCAGCCACAGTGGTC	600
Qy	181	TrpAlaSerGlnValAspGlnGlyAlaAsnPheSerGluValSerAsnThrSerPheGlu	200
Db	601	TGGGCATCCCAAGTTGACCGAGGCCAACTCTTCGGAAGTCTCCAAATACCAGCTTTTGAG	660
Qy	201	LeuAsnSerGluAsnValThrMetIysValValSerValLeuTyrlsAsnValThrIleAsn	220
Db	661	CTGAACTCTGAGAAATGTGACCATGAAGGTGTGCTGTGGCTCTACAAATGTACGATCAAC	720
Qy	221	AsnThrTyrlsSerCysMetIleGluAsnAspIleAlaLysAlaThrGlyAspIleLysVal	240
Db	721	AACACATACTCTGTATGATTGAAATGCATTTGCCAAGCAACAGGGGATATCAAAGTG	780
Qy	241	ThrGluSerGluIleLysArgArgSerHisLeuGlnLeuLeuAsnSerIysAlaSerLeu	260
Db	781	ACAGAACTCGAGATCAAAAGGCGGAGTCACTTACAGCTGCTTAAACTCAAGGCTTCTCTG	840
Qy	261	CysValSerSerPhePheAlaIleSerTrpAlaLeuLeuProLeuSerProTyrLeuMet	280
Db	841	TGTGTCTCTTCTTTCTTTGCCATCAGCTGGGCACTTCTGCGCTCTCAGGCCCTTACCTGATG	900
Qy	281	LeuLys	282
Db	901	CTAAAA	906

Search completed: May 30, 2004, 04:05:18  
Job time : 428 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: May 28, 2004, 14:33:06 ; Search time 22 Seconds  
(without alignments)  
661.751 Million cell updates/sec

Title: US-10-063-567-60  
Perfect score: 1431  
Sequence: 1 MASLGQILFWISIIIIIIA.....SSFFAISWALLPLSPYMLK 282

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:\*  
1: /cgn2\_6/ptodata/2/iaa/5A COMB.pdp.\*  
2: /cgn2\_6/ptodata/2/iaa/5B COMB.pdp.\*  
3: /cgn2\_6/ptodata/2/iaa/6A COMB.pdp.\*  
4: /cgn2\_6/ptodata/2/iaa/6B COMB.pdp.\*  
5: /cgn2\_6/ptodata/2/iaa/PCTUS COMB.pdp.\*  
6: /cgn2\_6/ptodata/2/iaa/backfiles.pdp.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	DB ID	Description
1	1431	100.0	282	4	US-09-404-879A-393
2	1431	100.0	309	4	US-09-404-879A-392
3	246.5	17.2	316	4	US-09-910-174B-24
4	246.5	17.2	316	4	US-09-910-174B-24
5	245	17.1	340	4	US-09-620-461-24
6	245	17.1	441	4	US-09-651-200-2
7	245	17.1	534	4	US-09-651-200-6
8	245	17.1	534	4	US-09-651-200-24
9	238.5	16.7	315	4	US-09-910-174B-28
10	238.5	16.7	315	4	US-09-620-461-28
11	223	15.6	513	4	US-09-910-174B-18
12	223	15.6	513	4	US-09-620-461-18
13	217.5	15.2	540	2	US-08-724-394A-4
14	215.5	15.1	731	4	US-09-910-174B-15
15	215.5	15.1	731	4	US-09-620-461-15
16	213.5	14.9	584	4	US-09-910-174B-16
17	213.5	14.9	584	4	US-09-620-461-16
18	212.5	14.8	610	2	US-08-724-394A-5
19	211.5	14.8	526	4	US-09-910-174B-9
20	211.5	14.8	526	4	US-09-620-461-9
21	211.5	14.8	589	2	US-08-724-394A-1
22	207.5	14.5	319	4	US-09-910-174B-12
23	207.5	14.5	319	4	US-09-620-461-12
24	207.5	14.5	342	2	US-08-724-394A-6
25	207.5	14.5	357	4	US-09-910-174B-14
26	207.5	14.5	357	4	US-09-620-461-14
27	204	14.3	290	4	US-09-910-174B-19

28	204	14.3	290	4	US-09-620-461-19	Sequence 19, Appl
29	204	14.3	350	4	US-09-651-200-25	Sequence 25, Appl
30	204	14.3	350	4	US-09-910-174B-17	Sequence 17, Appl
31	204	14.3	350	4	US-09-620-461-17	Sequence 17, Appl
32	199.5	13.9	290	4	US-09-910-174B-32	Sequence 32, Appl
33	196	13.7	296	4	US-09-667-135-36	Sequence 36, Appl
34	193	13.5	527	4	US-09-910-174B-10	Sequence 10, Appl
35	193	13.5	527	4	US-09-620-461-10	Sequence 10, Appl
36	192	13.4	329	4	US-09-651-200-18	Sequence 18, Appl
37	192	13.4	329	4	US-09-303-040-6	Sequence 6, Appl
38	188.5	13.2	290	4	US-09-910-174B-8	Sequence 8, Appl
39	188.5	13.2	290	4	US-09-620-461-8	Sequence 8, Appl
40	186	13.0	529	4	US-09-910-174B-13	Sequence 13, Appl
41	186	13.0	529	4	US-09-620-461-13	Sequence 13, Appl
42	186	13.0	581	2	US-08-724-394A-2	Sequence 2, Appl
43	179	12.5	523	4	US-09-910-174B-11	Sequence 11, Appl
44	179	12.5	523	4	US-09-620-461-11	Sequence 11, Appl
45	179	12.5	581	2	US-08-724-394A-3	Sequence 3, Appl

ALIGNMENTS

RESULT 1  
US-09-404-879A-393

; Sequence 393, Application US/09404879A  
; Patent No. 6458546  
; GENERAL INFORMATION:  
; APPLICANT: Mitcham, Jennifer L.  
; APPLICANT: King, Gordon E.  
; APPLICANT: Algate, Paul A.  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
; TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER  
; FILE REFERENCE: 210121.462C2  
; CURRENT APPLICATION NUMBER: US/09/404,879A  
; CURRENT FILING DATE: 1999-09-24  
; NUMBER OF SEQ ID NOS: 393  
; SOFTWARE: Fast-Seq for Windows Version 3.0  
; SEQ ID NO 393  
; LENGTH: 282  
; TYPE: PRT  
; ORGANISM: Homo sapiens

US-09-404-879A-393

Query Match 100.0%; Score 1431; DB 4; Length 282;  
Best Local Similarity 100.0%; Pred. No. 2.8e-138;  
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	MASLGQILFWISIIIIIIAIIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP	60
Db	1	MASLGQILFWISIIIIIIAIIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP	60
Qy	61	DIKLSDIVIQWLKEGVLGVHFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRKNV	120
Db	61	DIKLSDIVIQWLKEGVLGVHFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRKNV	120
Qy	121	QITDAGTYKCVIITSKGNANLEYKTCGAFSMPENVVDYNASSETLRCEAPRWPPQIVV	180
Db	121	QITDAGTYKCVIITSKGNANLEYKTCGAFSMPENVVDYNASSETLRCEAPRWPPQIVV	180
Qy	181	MASQVDQGANFSEVNTSFEIENSVNTMKVSVLYNVITNNYSCMIENDIAKATGDIKV	240
Db	181	MASQVDQGANFSEVNTSFEIENSVNTMKVSVLYNVITNNYSCMIENDIAKATGDIKV	240
Qy	241	TESEIKRRSHLQILNSKASLCVSSFFAISWALLPLSPYMLK	282
Db	241	TESEIKRRSHLQILNSKASLCVSSFFAISWALLPLSPYMLK	282

RESULT 2  
US-09-404-879A-392

; Sequence 392, Application US/09404879A  
; Patent No. 6458546



GENERAL INFORMATION:  
; APPLICANT: Mitcham, Jennifer L.  
; APPLICANT: King, Gordon E.  
; APPLICANT: Algate, Paul A.  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
; TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER  
; FILE REFERENCE: 210121.462C2  
; CURRENT APPLICATION NUMBER: US/09/404,879A  
; CURRENT FILING DATE: 1999-09-24  
; NUMBER OF SEQ ID NOS: 393  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 392  
; LENGTH: 309  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-404-879A-392

Query Match 100.0%; Score 1431; DB 4; Length 309;  
Best Local Similarity 100.0%; Pred. No. 3.2e-138;  
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MASIGQILFWSIIIIIIILAGAILIIGFISGRHSITVTVASAGNIGEDGILSCTFEP 60  
Db 28 MASIGQILFWSIIIIIIILAGAILIIGFISGRHSITVTVASAGNIGEDGILSCTFEP 87  
Qy 61 DIKLSDIVIOWKEGVGLVHEPKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120  
Db 88 DIKLSDIVIOWKEGVGLVHEPKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 147  
Qy 121 QLTDAQYKCVIISKGNANLYKTGAFSPMPVNDYNASSETLCEAPRHPQPTVV 180  
Db 148 QLTDAQYKCVIISKGNANLYKTGAFSPMPVNDYNASSETLCEAPRHPQPTVV 207  
Qy 181 WASQVDOGANFSEVNSFELNSNMTKVVSVLYNVTINNTYSCEMIENDIAKATGDIKV 240  
Db 208 WASQVDOGANFSEVNSFELNSNMTKVVSVLYNVTINNTYSCEMIENDIAKATGDIKV 267  
Qy 241 TESIKRSHQLNLSKASLCVSSFFAISWALLPLSPYLMK 282  
Db 268 TESIKRSHQLNLSKASLCVSSFFAISWALLPLSPYLMK 309

RESULT 3  
US-09-910-174B-24  
; Sequence 24, Application US/09910174B  
; Patent No. 6630575  
; GENERAL INFORMATION:  
; APPLICANT: Coyle, Anthony J.  
; APPLICANT: Fraser, Christopher C.  
; APPLICANT: Manning, Stephen  
; TITLE OF INVENTION: B7-H2 Molecules, No. 6630575el Members of the B7  
; FILE REFERENCE: 35800/236924  
; CURRENT APPLICATION NUMBER: US/09/910,174B  
; CURRENT FILING DATE: 2001-07-20  
; PRIOR APPLICATION NUMBER: US/09/620,461  
; PRIOR FILING DATE: 2000-07-20  
; NUMBER OF SEQ ID NOS: 32  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 24  
; LENGTH: 316  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-910-174B-24

Query Match 17.2%; Score 246.5; DB 4; Length 316;  
Best Local Similarity 30.2%; Pred. No. 7e-17;  
Matches 70; Conservative 44; Mismatches 99; Indels 19; Gaps 9;

Qy 21 GAIALIIGFISGRHSITVTVASAGNIGEDGILSCTF--EPDIXLSDIVIOWKEGVGL 78  
Db 15 GAALGALWFLTGALVQVPEDPVVALVGTDTATLCCSFSPGFSLAQLNLWLTDTKQ 74

Qy 79 LVHEPKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNVQLTDAGTYKCIITSGK 138  
Db 75 LVHFAEGQD---QGSAYANRTALFPDLAQGNASLRLQVRVADEGSFTCF-VSIRDF 129  
Qy 139 GNANLEYKTGA-FSPMPVNDYN-----ASSETLCEAPRHPQPTVVWASQVDOGANFS 192  
Db 130 GSAAVSLQVAAPYSPKSMTELEPNKDLRPGDVTITCSSYRGYPEAEVFW--QDGGVPLT 187  
Qy 193 EVSNTSFEIENSNMTKVVSVLYNVT-INNTYSCEMIENDIAK--ATGDIKVT 241  
Db 188 GNVTTIS-QVANEQGLFDVHSLRVVLVGGANGTYSCIVRNPVLQDAGHGSVTIT 238

RESULT 4  
US-09-620-461-24  
; Sequence 24, Application US/09620461  
; Patent No. 6635750  
; GENERAL INFORMATION:  
; APPLICANT: Coyle, Anthony J.  
; APPLICANT: Fraser, Christopher C.  
; APPLICANT: Manning, Stephen  
; TITLE OF INVENTION: B7-H2 Molecules, No. 6635750el Members of the B7  
; FILE REFERENCE: 5800-149  
; CURRENT APPLICATION NUMBER: US/09/620,461  
; CURRENT FILING DATE: 2000-07-20  
; NUMBER OF SEQ ID NOS: 29  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 24  
; LENGTH: 316  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-620-461-24

Query Match 17.2%; Score 246.5; DB 4; Length 316;  
Best Local Similarity 30.2%; Pred. No. 7e-17;  
Matches 70; Conservative 44; Mismatches 99; Indels 19; Gaps 9;

Qy 21 GAIALIIGFISGRHSITVTVASAGNIGEDGILSCTF--EPDIXLSDIVIOWKEGVGL 78  
Db 15 GAALGALWFLTGALVQVPEDPVVALVGTDTATLCCSFSPGFSLAQLNLWLTDTKQ 74  
Qy 79 LVHEPKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNVQLTDAGTYKCIITSGK 138  
Db 75 LVHFAEGQD---QGSAYANRTALFPDLAQGNASLRLQVRVADEGSFTCF-VSIRDF 129  
Qy 139 GNANLEYKTGA-FSPMPVNDYN-----ASSETLCEAPRHPQPTVVWASQVDOGANFS 192  
Db 130 GSAAVSLQVAAPYSPKSMTELEPNKDLRPGDVTITCSSYRGYPEAEVFW--QDGGVPLT 187  
Qy 193 EVSNTSFEIENSNMTKVVSVLYNVT-INNTYSCEMIENDIAK--ATGDIKVT 241  
Db 188 GNVTTIS-QVANEQGLFDVHSLRVVLVGGANGTYSCIVRNPVLQDAGHGSVTIT 238

RESULT 5  
US-09-651-200-2  
; Sequence 2, Application US/09651200  
; Patent No. 6429303  
; GENERAL INFORMATION:  
; APPLICANT: Green et al  
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B  
; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and  
; TITLE OF INVENTION: Polypeptides Encoded Thereby  
; FILE REFERENCE: 15966-562 (CURA-62)  
; CURRENT APPLICATION NUMBER: US/09/651,200  
; CURRENT FILING DATE: 2000-08-30  
; PRIOR APPLICATION NUMBER: 60/152383  
; PRIOR FILING DATE: 1999-09-03  
; PRIOR APPLICATION NUMBER: 60/172909  
; PRIOR FILING DATE: 1999-12-21  
; PRIOR APPLICATION NUMBER: 60/183578  
; PRIOR FILING DATE: 2000-02-18

Db 229 NASRLQRRVADGSGTCTF-VSIRDFGSAASVLSQVAAPYKSPKNTLEPNKDLRPGDTVT 287
Qy 166 LRCEAPRWFPQPTVWASQVDQGANFSEVNTSFLNSENVTKVSVLYNVT-INNTYS 224
Db 288 ITCSSYRGYPEAEVFW--QDQGGVPLTGNVTTS-QMANEQGLFDVHSLRVVLGANGTYS 344
Qy 225 CMENDIAK--ATGDIKVT 241
Db 345 CLVRNPVLQDAGHSVTIT 363
RESULT 7
US-09-651-200-6
; Sequence 6, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
; APPLICANT: Green et al
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
; TITLE OF INVENTION: Polypeptides Encoded Thereby
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200
; CURRENT FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152383
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/172909
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/183578
; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 534
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-651-200-6
Query Match 17.1%; Score 245; DB 4; Length 534;
Best Local Similarity 27.8%; Pred. No. 2.3e-16;
Matches 72; Conservative 50; Mismatches 101; Indels 36; Gaps 11;
Qy 11 SIISIIILAGATALLIGFGI---SGRHSITVTIVAS-----AGNIGEDGI 53
Db 206 SILRVVLGANGTYSCLVRNPVLQDAGHSVTITPQRSPTGAVEVQVPEDPVVALVGTDTAT 265
Qy 54 LSCTF--EPDIKLSDIVIOMLKEGVLGLVHFEKKGKDELSEQDEMFRGRTAVFADQVIVG 111
Db 266 LRCSFSPFPGFSLAQNLNLWLTDTKQLVHSFTFGRD---QGSAYANRTALFPDLLAQG 321
Qy 112 NASRLKNVQLTDAGTYKCYIITSKGGANLEYKTGA-FSMPEVNVNDY-----ASSET 165
Db 322 NASRLQRRVADGSGTCTF-VSIRDFGSAASVLSQVAAPYKSPKNTLEPNKDLRPGDTVT 380
Qy 166 LRCEAPRWFPQPTVWASQVDQGANFSEVNTSFLNSENVTKVSVLYNVT-INNTYS 224
Db 381 ITCSSYRGYPEAEVFW--QDQGGVPLTGNVTTS-QMANEQGLFDVHSLRVVLGANGTYS 437
Qy 225 CMENDIAK--ATGDIKVT 241
Db 438 CLVRNPVLQDAGHSVTIT 456
RESULT 8
US-09-651-200-24
; Sequence 24, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
; APPLICANT: Green et al
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
; TITLE OF INVENTION: Polypeptides Encoded Thereby
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200

; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 340
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-651-200-2
Query Match 17.1%; Score 245; DB 4; Length 340;
Best Local Similarity 27.8%; Pred. No. 1.1e-16;
Matches 72; Conservative 50; Mismatches 101; Indels 36; Gaps 11;
Qy 11 SIISIIILAGATALLIGFGI---SGRHSITVTIVAS-----AGNIGEDGI 53
Db 12 SILRVVLGANGTYSCLVRNPVLQDAGHSVTITPQRSPTGAVEVQVPEDPVVALVGTDTAT 71
Qy 54 LSCTF--EPDIKLSDIVIOMLKEGVLGLVHFEKKGKDELSEQDEMFRGRTAVFADQVIVG 111
Db 72 LHCSFSPFPGFSLAQNLNLWLTDTKQLVHSFTFGRD---QGSAYANRTALFPDLLAQG 127
Qy 112 NASRLKNVQLTDAGTYKCYIITSKGGANLEYKTGA-FSMPEVNVNDY-----ASSET 165
Db 128 NASRLQRRVADGSGTCTF-VSIRDFGSAASVLSQVAAPYKSPKNTLEPNKDLRPGDTVT 186
Qy 166 LRCEAPRWFPQPTVWASQVDQGANFSEVNTSFLNSENVTKVSVLYNVT-INNTYS 224
Db 187 ITCSSYRGYPEAEVFW--QDQGGVPLTGNVTTS-QMANEQGLFDVHSLRVVLGANGTYS 243
Qy 225 CMENDIAK--ATGDIKVT 241
Db 244 CLVRNPVLQDAGHSVTIT 262
RESULT 6
US-09-651-200-4
; Sequence 4, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
; APPLICANT: Green et al
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
; TITLE OF INVENTION: Polypeptides Encoded Thereby
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200
; CURRENT FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152383
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/172909
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/183578
; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 441
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-651-200-4
Query Match 17.1%; Score 245; DB 4; Length 441;
Best Local Similarity 27.8%; Pred. No. 1.7e-16;
Matches 72; Conservative 50; Mismatches 101; Indels 36; Gaps 11;
Qy 11 SIISIIILAGATALLIGFGI---SGRHSITVTIVAS-----AGNIGEDGI 53
Db 113 SILRVVLGANGTYSCLVRNPVLQDAGHSVTITPQRSPTGAVEVQVPEDPVVALVGTDTAT 172
Qy 54 LSCTF--EPDIKLSDIVIOMLKEGVLGLVHFEKKGKDELSEQDEMFRGRTAVFADQVIVG 111
Db 173 LHCSFSPFPGFSLAQNLNLWLTDTKQLVHSFTFGRD---QGSAYANRTALFPDLLAQG 228
Qy 112 NASRLKNVQLTDAGTYKCYIITSKGGANLEYKTGA-FSMPEVNVNDY-----ASSET 165

68 VIQWLKEGVLGLVHFEKKGKDELSEQDMFRGRTAVFADQVIVGNASRLKXVQLTDAGT 127  
64 NLIWQLTDTKQLVHSTFTEGRD-----QGSAYSNRTALFPDLLVQGNASRLQVRVTDGSG 119  
128 YKCYIITSKGNANLEYKTGAFSPMPEVNVYDYN-----ASSETLCEAPRFPQPTVVA 182  
120 YTCFVSIQDFDAAVSLQVAAPYKPSMTLEPNKDLRPGNMVITTCSSVQGYPEAEVFW- 178  
183 SQVDQGANFSEVNTSFELSENVTMKVSVLYNVT-INNTYSQMIENDIAK--ATGDIK 239  
179 ---KDGQGVPLTGNVTSQMANERGLFDVHSLRVVLGANGTYSCLVRNPFVLQDAGHSVT 235  
240 VT 241  
236 IT 237

RESULT 10

US-09-620-461-28  
; Sequence 28, Application US/09620461  
; Patent No. 6635750  
; GENERAL INFORMATION:  
; APPLICANT: Coyle, Anthony J.  
; APPLICANT: Fraser, Christopher C.  
; APPLICANT: Manning, Stephen  
; TITLE OF INVENTION: B7-H2 Molecules, No. 6635750el Members of the B7  
; FILE OF INVENTION: Family and Uses Thereof  
; FILE REFERENCE: 5800-149  
; CURRENT APPLICATION NUMBER: US/09/620,461  
; CURRENT FILING DATE: 2000-07-20  
; NUMBER OF SEQ ID NOS: 29  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 28  
; LENGTH: 315  
; TYPE: PRT  
; ORGANISM: Mus  
US-09-620-461-28

Query Match 16.7%; Score 238.5; DB 4; Length 315;  
Best Local Similarity 26.9%; Pred. No. 4.6e-16;  
Matches 65; Conservative 46; Mismatches 112; Indels 19; Gaps 7;

10 WSIISIIILAGAIILIGFISGRHSITVTVAAGNIGEDGILSCTP--EPDIKLSDI 67  
5 WGGPSVGVCVRTALG-VLCCLTGAVEVQVSEDPVVALVDTDATLRCFSFEPGFSLAQL 63  
68 VIQWLKEGVLGLVHFEKKGKDELSEQDMFRGRTAVFADQVIVGNASRLKXVQLTDAGT 127  
64 NLIWQLTDTKQLVHSTFTEGRD-----QGSAYSNRTALFPDLLVQGNASRLQVRVTDGSG 119  
128 YKCYIITSKGNANLEYKTGAFSPMPEVNVYDYN-----ASSETLCEAPRFPQPTVVA 182  
120 YTCFVSIQDFDAAVSLQVAAPYKPSMTLEPNKDLRPGNMVITTCSSVQGYPEAEVFW- 178  
183 SQVDQGANFSEVNTSFELSENVTMKVSVLYNVT-INNTYSQMIENDIAK--ATGDIK 239  
179 ---KDGQGVPLTGNVTSQMANERGLFDVHSLRVVLGANGTYSCLVRNPFVLQDAGHSVT 235  
240 VT 241  
236 IT 237

RESULT 11

US-09-910-174B-18  
; Sequence 18, Application US/09910174B  
; Patent No. 6630575  
; GENERAL INFORMATION:  
; APPLICANT: Coyle, Anthony J.  
; APPLICANT: Fraser, Christopher C.  
; APPLICANT: Manning, Stephen  
; TITLE OF INVENTION: B7-H2 Molecules, No. 6630575el Members of the B7

CURRENT FILING DATE: 2000-08-30  
PRIOR APPLICATION NUMBER: 60/152383  
PRIOR FILING DATE: 1999-09-03  
PRIOR APPLICATION NUMBER: 60/172909  
PRIOR FILING DATE: 1999-12-21  
PRIOR APPLICATION NUMBER: 60/183578  
PRIOR FILING DATE: 2000-02-18  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: Patent in Ver. 2.0  
SEQ ID NO 24  
LENGTH: 534  
TYPE: PRT  
ORGANISM: Unknown  
FEATURE:  
OTHER INFORMATION: Description of Unknown Organism: Sequence  
OTHER INFORMATION: mz5020.protein from Figure 4.  
US-09-651-200-24

Query Match 17.1%; Score 245; DB 4; Length 534;  
Best Local Similarity 27.8%; Pred. No. 2.3e-16;  
Matches 72; Conservative 50; Mismatches 101; Indels 36; Gaps 11;

11 SIISIIILAGAIILIGFI---SGRHSITVTVAAS-----AGNIGEDGI 53  
206 SILAVVLGANGTYSCLVRNPFVLQDAGHSVITPQRTGAVEVQVPEDPVVALVGTDAT 265  
54 LSCPT--EPDIKLSDIVQWLKEGVLGLVHFEKKGKDELSEQDMFRGRTAVFADQVIVG 111  
266 LRCFSFEPGFSLAQLNLIWQLTDTKQLVHSTFTEGRD-----QGSAYANRTALFPDLLAQQ 321  
112 NASRLKXVQLTDAGTKYCIITSKGNANLEYKTGA-FSPMPEVNVYDYN-----ASSET 165  
322 NASRLQVRVADGSGFTCF-VSIRDGSAVSLQVAAPYKPSMTLEPNKDLRPGDVT 380  
166 LRCAPRFPQPTVVAASQVQGANFSEVNTSFELSENVTMKVSVLYNVT-INNTYS 224  
381 ITCSYRGYPAEVFW--QDQGVPLTGNVTS-QMANEQGLFDVHSLRVVLGANGTYS 437  
225 QMIENDIAK--ATGDIKVT 241  
438 CLVRNPFVLQDAGHSVIT 456

RESULT 9

US-09-910-174B-28  
; Sequence 28, Application US/09910174B  
; Patent No. 6630575  
; GENERAL INFORMATION:  
; APPLICANT: Coyle, Anthony J.  
; APPLICANT: Manning, Stephen  
; TITLE OF INVENTION: B7-H2 Molecules, No. 6630575el Members of the B7  
; FILE OF INVENTION: Family and Uses Thereof  
; FILE REFERENCE: 35800/236924  
; CURRENT APPLICATION NUMBER: US/09/910,174B  
; CURRENT FILING DATE: 2001-07-20  
; PRIOR APPLICATION NUMBER: US 09/620,461  
; PRIOR FILING DATE: 2000-07-20  
; NUMBER OF SEQ ID NOS: 32  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 28  
; LENGTH: 315  
; TYPE: PRT  
; ORGANISM: Mus musculus  
US-09-910-174B-28

Query Match 16.7%; Score 238.5; DB 4; Length 315;  
Best Local Similarity 26.9%; Pred. No. 4.6e-16;  
Matches 65; Conservative 46; Mismatches 112; Indels 19; Gaps 7;

10 WSIISIIILAGAIILIGFISGRHSITVTVAAGNIGEDGILSCTP--EPDIKLSDI 67  
5 WGGPSVGVCVRTALG-VLCCLTGAVEVQVSEDPVVALVDTDATLRCFSFEPGFSLAQL 63

;; TITLE OF INVENTION: Family and Uses Thereof  
;; FILE REFERENCE: 35800/236924  
;; CURRENT APPLICATION NUMBER: US/09/910,174B  
;; CURRENT FILING DATE: 2001-07-20  
;; PRIOR APPLICATION NUMBER: US 09/620,461  
;; PRIOR FILING DATE: 2000-07-20  
;; NUMBER OF SEQ ID NOS: 32  
;; SOFTWARE: FastSeq for Windows Version 4.0  
;; SEQ ID NO 18  
;; LENGTH: 513  
;; TYPE: PRT  
;; ORGANISM: Homo sapiens  
US-09-910-174B-18

Query Match 15.6%; Score 223; DB 4; Length 513;  
Best Local Similarity 26.4%; Pred. No. 3.8e-14;  
Matches 69; Conservative 44; Mismatches 108; Indels 40; Gaps 10;

Qy 35 HSIITVTVASAGNI-----GEGILSCITPEPIKLSDIVIOWLKEGVLGVHFEKKGDEL 90  
Db 27 HSAQFVLGSPGPIILAMVGEDADLPCHLFTPTSAETMELKWSLSLRQVNVNVIADGKEVE 86  
Qy 91 SEQDEMFGRGTAVFADQVIVGNASLRKLVLTDACTYKCYIITSKGNANLEYKTGAF 150  
Db 87 DRQAPYRGRTSILRDGITAGKALRIHNVITASDSGKILCYFQDGFYEKALVELKVAAL 146  
Qy 151 SMPFVNVD---YNASSETLRCEAPRFPPTVWASQVDOQANFSEVNTSFLNSENVT 207  
Db 147 G-SDLHVDVKYKGGIHLCEKRSWGYPQIQWSN--NKGEN---IPTVEAPFVADGVG 200  
Qy 208 MKVY--SVLYNVTINNTYSCHIENDIAKATGDIKVTSEIKRSHLQLLNSKASLCVSS- 264  
Db 201 LYAVAASVIMRGSGEGVSCIT-----RSSLGLKTKTASISADP 240  
Qy 265 PF--AISW--ALLPLSPVLM 281  
Db 241 PFRSAQRWIALARTLPVLLL 261

RESULT 12  
US-09-620-461-18  
; Sequence 18, Application US/09620461  
; Patent No. 6635750  
; GENERAL INFORMATION:  
; APPLICANT: Coyle, Anthony J.  
; APPLICANT: Fraser, Christopher C.  
; APPLICANT: Manning, Stephen  
; TITLE OF INVENTION: B7-H2 Molecules, No. 6635750e1 Members of the B7  
; TITLE OF INVENTION: Family and Uses Thereof  
; FILE REFERENCE: 5800-149  
; CURRENT APPLICATION NUMBER: US/09/620,461  
; CURRENT FILING DATE: 2000-07-20  
; NUMBER OF SEQ ID NOS: 29  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 18  
; LENGTH: 513  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-620-461-18

Query Match 15.6%; Score 223; DB 4; Length 513;  
Best Local Similarity 26.4%; Pred. No. 3.8e-14;  
Matches 69; Conservative 44; Mismatches 108; Indels 40; Gaps 10;

Qy 35 HSIITVTVASAGNI-----GEGILSCITPEPIKLSDIVIOWLKEGVLGVHFEKKGDEL 90  
Db 27 HSAQFVLGSPGPIILAMVGEDADLPCHLFTPTSAETMELKWSLSLRQVNVNVIADGKEVE 86  
Qy 91 SEQDEMFGRGTAVFADQVIVGNASLRKLVLTDACTYKCYIITSKGNANLEYKTGAF 150  
Db 87 DRQAPYRGRTSILRDGITAGKALRIHNVITASDSGKILCYFQDGFYEKALVELKVAAL 146  
Qy 151 SMPFVNVD---YNASSETLRCEAPRFPPTVWASQVDOQANFSEVNTSFLNSENVT 207

Query Match 15.2%; Score 217.5; DB 2; Length 540;  
Best Local Similarity 25.6%; Pred. No. 1.5e-13;  
Matches 56; Conservative 45; Mismatches 101; Indels 17; Gaps 7;

Qy 35 HSIITVTVASAGNI-----GEGILSCITPEPIKLSDIVIOWLKEGVLGVHFEKKGDEL 90  
Db 30 HSAQFVLGSPGPIILAMVGEDADLPCHLFTPTSAETMELKWSLSLRQVNVNVIADGKEVE 89  
Qy 91 SEQDEMFGRGTAVFADQVIVGNASLRKLVLTDACTYKCYIITSKGNANLEYKTGAF 150

Db 147 G-SDLHVDVKYKGGIHLCEKRSWGYPQIQWSN--NKGEN---IPTVEAPFVADGVG 200  
Qy 208 MKVY--SVLYNVTINNTYSCHIENDIAKATGDIKVTSEIKRSHLQLLNSKASLCVSS- 264  
Db 201 LYAVAASVIMRGSGEGVSCIT-----RSSLGLKTKTASISADP 240  
Qy 265 PF--AISW--ALLPLSPVLM 281  
Db 241 PFRSAQRWIALARTLPVLLL 261

RESULT 13  
US-08-724-394A-4  
; Sequence 4, Application US/08724394A  
; Patent No. 5872237  
; GENERAL INFORMATION:  
; APPLICANT: Feder, John N.  
; APPLICANT: Krommal, Gregory S.  
; APPLICANT: Lauer, Peter M.  
; APPLICANT: Ruddy, David A.  
; APPLICANT: Thomas, Winston  
; APPLICANT: Tsuchihashi, Zenta  
; APPLICANT: Wolff, Roger K.  
; TITLE OF INVENTION: Megabase Transcript Map: No. 5872237e1  
; TITLE OF INVENTION: Sequences and Antibodies Thereto  
; NUMBER OF SEQUENCES: 31  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP  
; STREET: Two Embarcadero Center, 8th Floor  
; CITY: San Francisco  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/724,394A  
; FILING DATE: 01-OCT-1996  
; CLASSIFICATION: 536  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Fitts, Renee A.  
; REGISTRATION NUMBER: 35,136  
; REFERENCE/DOCKET NUMBER: 017957-000100  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415-576-0200  
; TELEFAX: 415-576-0300  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 540 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: not relevant  
; TOPOLOGY: not relevant  
; MOLECULE TYPE: peptide  
; FEATURE:  
; NAME/KEY: Region  
; LOCATION: 1..540  
; OTHER INFORMATION: /note= "BTF5"  
US-08-724-394A-4

Query Match 15.2%; Score 217.5; DB 2; Length 540;  
Best Local Similarity 25.6%; Pred. No. 1.5e-13;  
Matches 56; Conservative 45; Mismatches 101; Indels 17; Gaps 7;

Qy 35 HSIITVTVASAGNI-----GEGILSCITPEPIKLSDIVIOWLKEGVLGVHFEKKGDEL 90  
Db 30 HSAQFVLGSPGPIILAMVGEDADLPCHLFTPTSAETMELKWSLSLRQVNVNVIADGKEVE 89  
Qy 91 SEQDEMFGRGTAVFADQVIVGNASLRKLVLTDACTYKCYIITSKGNANLEYKTGAF 150

Db 90 DROSPYRGRTSILRDGITAGKAALRIHNVTASDSGKYLCTYFQDGFYKALVELKVAAL 149  
Qy 151 SMPBVND---YNASSETLRCEAPRPQPTVVWASQVDOGANFSEVNTSFPNLNGENTV 207  
Db 150 G-SDLHVDVKGKGGHLECRSGTWYPOIQHNS--NKGX---IPTVEAPVADGVG 203  
Qy 208 MKVV--SVLXNVNTINNTYSCMIENDI--AKATGDIKYTE 242  
Db 204 LYAASVIMRSGSGEVSCTIRSLGLEKTASISIA 242

RESULT 14

US-09-910-174B-15  
; Sequence 15, Application US/09910174B  
; Patent No. 6630575  
; GENERAL INFORMATION:  
; APPLICANT: Coyle, Anthony J.  
; APPLICANT: Fraser, Christopher C.  
; APPLICANT: Manning, Stephen  
; TITLE OF INVENTION: B7-H2 Molecules, No. 6630575el Members of the B7  
; TITLE OF INVENTION: Family and Uses Thereof  
; FILE REFERENCE: 35800/236924  
; CURRENT APPLICATION NUMBER: US/09/910,174B  
; CURRENT FILING DATE: 2001-07-20  
; PRIOR APPLICATION NUMBER: US 09/620,461  
; PRIOR FILING DATE: 2000-07-20  
; NUMBER OF SEQ ID NOS: 32  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 15  
; LENGTH: 731  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: VARIANT  
; LOCATION: (1)...(731)  
; OTHER INFORMATION: Xaa = Any Amino Acid  
US-09-910-174B-15

Query Match 15.1%; Score 215.5; DB 4; Length 731;  
Best Local Similarity 25.0%; Pred. No. 3.9e-13;  
Matches 62; Conservative 49; Mismatches 110; Indels 27; Gaps 9;  
Qy 19 LAGAIA-LIIGFGISGRHSITVTVASA-----GNIGEDGILSCTFEPDIKLS 65  
Db 1 MASSLAFLLLNFHVS-LFLVQLLTPCSAQFSLGPGSILAMVGEDADLPCHLFTMSAE 59  
Qy 66 DIVIQWLKEGVLGLVHEFEKGEKDELSEODEMFRGTAVFADQVIVGNASRLKNVQLTDA 125  
Db 60 TMLRWSSSLRQVNVYADGKEVEYRQSAFYRGTSLRDGITAGKAALRIHNVTASDS 119  
Qy 126 GTYKCYIITSKGNANLEYKTGAFSMEPVND---YNASSETLRCEAPRPQPTVVWA 182  
Db 120 GKLYCYFQHGDFYKAPVELKVAALG-SDLHIEVKGYDDGGIHLCECRSTGWYPOQINWS 178  
Qy 183 SQVDOGANFSEVNTSFPNLNGENTVTKVY--SVLXNVNTINNTYSCMIENDI--AKATGDI 238  
Db 179 D--SKGENIPAVEG---PVNVYGVGLYAVPPPVIMTGTSGGVSCTIITNSLLGLEKTASI 233  
Qy 239 KVTSEIK 246  
Db 234 SIADPFIQ 241

RESULT 15

US-09-620-461-15  
; Sequence 15, Application US/09620461  
; Patent No. 6635750  
; GENERAL INFORMATION:  
; APPLICANT: Coyle, Anthony J.  
; APPLICANT: Fraser, Christopher C.  
; APPLICANT: Manning, Stephen  
; TITLE OF INVENTION: B7-H2 Molecules, No. 6635750el Members of the B7  
; TITLE OF INVENTION: Family and Uses Thereof

; FILE REFERENCE: 5800-149  
; CURRENT APPLICATION NUMBER: US/09/620,461  
; CURRENT FILING DATE: 2000-07-20  
; NUMBER OF SEQ ID NOS: 29  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 15  
; LENGTH: 731  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: VARIANT  
; LOCATION: (1)...(731)  
; OTHER INFORMATION: Xaa = Any Amino Acid  
US-09-620-461-15  
Query Match 15.1%; Score 215.5; DB 4; Length 731;  
Best Local Similarity 25.0%; Pred. No. 3.9e-13;  
Matches 62; Conservative 49; Mismatches 110; Indels 27; Gaps 9;  
Qy 19 LAGAIA-LIIGFGISGRHSITVTVASA-----GNIGEDGILSCTFEPDIKLS 65  
Db 1 MASSLAFLLLNFHVS-LFLVQLLTPCSAQFSLGPGSILAMVGEDADLPCHLFTMSAE 59  
Qy 66 DIVIQWLKEGVLGLVHEFEKGEKDELSEODEMFRGTAVFADQVIVGNASRLKNVQLTDA 125  
Db 60 TMLRWSSSLRQVNVYADGKEVEYRQSAFYRGTSLRDGITAGKAALRIHNVTASDS 119  
Qy 126 GTYKCYIITSKGNANLEYKTGAFSMEPVND---YNASSETLRCEAPRPQPTVVWA 182  
Db 120 GKLYCYFQHGDFYKAPVELKVAALG-SDLHIEVKGYDDGGIHLCECRSTGWYPOQINWS 178  
Qy 183 SQVDOGANFSEVNTSFPNLNGENTVTKVY--SVLXNVNTINNTYSCMIENDI--AKATGDI 238  
Db 179 D--SKGENIPAVEG---PVNVYGVGLYAVPPPVIMTGTSGGVSCTIITNSLLGLEKTASI 233  
Qy 239 KVTSEIK 246  
Db 234 SIADPFIQ 241  
Search completed: May 28, 2004, 14:36:43  
Job time : 23 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: May 28, 2004, 14:24:50 ; Search time 61 seconds  
(without alignments)  
1306.203 Million cell updates/sec

Title: US-10-063-567-60  
Perfect score: 1431  
Sequence: 1 NASLQQLFWSIISIILIA.....SSFFAISWALLPLSPYLMLK 282

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1586107 seqs, 282547505 residues

Total number of hits satisfying chosen parameters: 1586107

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : A Geneseq\_29Jan04:.\*  
1: Geneseqp1980s:.\*  
2: Geneseqp1990s:.\*  
3: Geneseqp2000s:.\*  
4: Geneseqp2001s:.\*  
5: Geneseqp2002s:.\*  
6: Geneseqp2003as:.\*  
7: Geneseqp2003bs:.\*  
8: Geneseqp2004s:.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	1431	100.0	282	3 AAY66719	Membrane-
2	1431	100.0	282	3 AAB12557	Aab12557 Human ova
3	1431	100.0	282	4 AAU29132	AAU29132 Human PRO
4	1431	100.0	282	4 AAB87555	AAB87555 Human PRO
5	1431	100.0	282	4 AAB99204	AAB99204 Human ova
6	1431	100.0	282	4 AAB55242	AAB55242 Human PRO
7	1431	100.0	282	5 AAE20311	AAE20311 Human B7-
8	1431	100.0	282	5 ABG96445	ABG96445 Human ova
9	1431	100.0	282	5 AAU77766	AAU77766 Tumour as
10	1431	100.0	282	5 ABG95880	ABG95880 Human sec
11	1431	100.0	282	5 AAU76536	AAU76536 Tumour-as
12	1431	100.0	282	5 ABP30901	ABP30901 O&E proce
13	1431	100.0	282	5 ABB76274	ABB76274 Breast BS
14	1431	100.0	282	5 AAE18336	AAE18336 Human B7-
15	1431	100.0	282	5 ABB09879	ABB09879 Amino aci
16	1431	100.0	282	5 AAE19013	AAE19013 Human B7-
17	1431	100.0	282	5 ABE58508	ABE58508 Human PRO
18	1431	100.0	282	6 ABUS8056	ABUS8056 Novel hum
19	1431	100.0	282	6 ABUS4371	ABUS4371 Human sec
20	1431	100.0	282	6 ABR66245	ABR66245 Human sec
21	1431	100.0	282	6 ABR65635	ABR65635 Human sec
22	1431	100.0	282	6 ABUS99575	ABUS99575 Human sec
23	1431	100.0	282	6 ABUS8057	ABUS8057 Human PRO
24	1431	100.0	282	6 ABUS9135	ABUS9135 Novel hum
25	1431	100.0	282	6 ABUS2647	ABUS2647 Human sec

26	1431	100.0	282	6 ABUS2814	ABUS2814 Human PRO
27	1431	100.0	282	6 ABR89935	ABR89935 Novel hum
28	1431	100.0	282	6 ABR68184	ABR68184 Human sec
29	1431	100.0	282	6 ABUS0566	ABUS0566 Human sec
30	1431	100.0	282	6 ABUS96237	ABUS96237 Novel hum
31	1431	100.0	282	6 ABUS2668	ABUS2668 Human sec
32	1431	100.0	282	6 ABO08745	ABO08745 Human sec
33	1431	100.0	282	6 ABO02797	ABO02797 Human sec
34	1431	100.0	282	6 ABR74951	ABR74951 Human sec
35	1431	100.0	282	6 ABR94713	ABR94713 Human sec
36	1431	100.0	282	6 ABUS3948	ABUS3948 Human PRO
37	1431	100.0	282	6 ABUS5686	ABUS5686 Human PRO
38	1431	100.0	282	6 ABUS9846	ABUS9846 Novel hum
39	1431	100.0	282	6 ABUS98061	ABUS98061 Novel hum
40	1431	100.0	282	6 ABR91767	ABR91767 Novel hum
41	1431	100.0	282	6 ABUS9460	ABUS9460 Human PRO
42	1431	100.0	282	6 ABR6301	ABR6301 Human sec
43	1431	100.0	282	6 ABUS7514	ABUS7514 Human sec
44	1431	100.0	282	6 ABUS0542	ABUS0542 Human PRO
45	1431	100.0	282	6 ABUS72533	ABUS72533 Novel hum

ALIGNMENTS

RESULT 1  
AAY66719  
ID AAY66719 standard; protein; 282 AA.

AC AAY66719;  
XX  
XX 05-APR-2000 (first entry)  
XX  
XX Membrane-bound protein PRO1291.  
XX  
XX Membrane-bound polypeptide; PRO polypeptide; LDL receptor; TIE ligand;  
XX  
XX pharmaceutical; receptor immunoadhesin; gene mapping.  
XX  
XX Homo sapiens.  
XX  
XX WO9963088-A2.  
XX  
XX 09-DEC-1999.  
XX  
XX 02-JUN-1999; 99WO-US012252.  
XX  
XX 02-JUN-1998; 98US-0087607P.  
XX  
XX 02-JUN-1998; 98US-0087609P.  
XX  
XX 03-JUN-1998; 98US-0087759P.  
XX  
XX 04-JUN-1998; 98US-0088021P.  
XX  
XX 04-JUN-1998; 98US-0088025P.  
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XX 04-JUN-1998; 98US-0088028P.  
XX  
XX 04-JUN-1998; 98US-0088029P.  
XX  
XX 04-JUN-1998; 98US-0088030P.  
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XX 04-JUN-1998; 98US-0088033P.  
XX  
XX 05-JUN-1998; 98US-0088326P.  
XX  
XX 05-JUN-1998; 98US-0088167P.  
XX  
XX 05-JUN-1998; 98US-0088202P.  
XX  
XX 05-JUN-1998; 98US-0088212P.  
XX  
XX 05-JUN-1998; 98US-0088217P.  
XX  
XX 09-JUN-1998; 98US-0088655P.  
XX  
XX 10-JUN-1998; 98US-0088722P.  
XX  
XX 10-JUN-1998; 98US-0088730P.  
XX  
XX 10-JUN-1998; 98US-0088734P.  
XX  
XX 10-JUN-1998; 98US-0088738P.  
XX  
XX 10-JUN-1998; 98US-0088740P.  
XX  
XX 10-JUN-1998; 98US-0088741P.  
XX  
XX 10-JUN-1998; 98US-0088742P.  
XX  
XX 10-JUN-1998; 98US-0088810P.  
XX  
XX 10-JUN-1998; 98US-0088811P.  
XX  
XX 10-JUN-1998; 98US-0088824P.  
XX  
XX 10-JUN-1998; 98US-0088825P.





Db 1 MASLQILFWISIIIIILAGAILIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60  
Qy 61 DIKLSDIVIOWLKEGVLGVHFEKGEKDELSEODEMFRGRTAVFADQVIVGNASLRLKNV 120  
Db 61 DIKLSDIVIOWLKEGVLGVHFEKGEKDELSEODEMFRGRTAVFADQVIVGNASLRLKNV 120  
Qy 121 QLTDAGYKCYIIITSKKGKGNANLEYKTGAFSPMEPVNDYNNASSETLRCEAPRFPQPTVV 180  
Db 121 QLTDAGYKCYIIITSKKGKGNANLEYKTGAFSPMEPVNDYNNASSETLRCEAPRFPQPTVV 180  
Qy 181 WASQVDQGANFSEVNTSFEIENSVTKVSVLYNVTINNTYSMTIENDIAKATGDIKV 240  
Db 181 WASQVDQGANFSEVNTSFEIENSVTKVSVLYNVTINNTYSMTIENDIAKATGDIKV 240  
Qy 241 TESEIKRSHLQLLNSKASLCVSSFFAISWALLPLSPYMLK 282  
Db 241 TESEIKRSHLQLLNSKASLCVSSFFAISWALLPLSPYMLK 282

RESULT 3  
AAU29132

ID AAU29132 standard; protein; 282 AA.

XX AC AAU29132;

XX DT 18-DEC-2001 (first entry)

XX DE Human PRO polypeptide sequence #109.

XX KW PRO polypeptide; mammal; tumour; cancer; human; cattle; horse; sheep;  
XX KW dog; cat; pig; goat; rabbit; tumour necrosis factor alpha; TNF-alpha;  
XX KW blood; chondrocyte cell; cell proliferation; cell differentiation; colon;  
XX KW adrenal; lung; breast; prostate; rectum; cervix; liver; genetic disorder.

XX OS Homo sapiens.

XX PN WO200168848-A2.

XX PD 20-SEP-2001.

XX PF 28-FEB-2001; 2001WO-US006520.

XX PR 01-MAR-2000; 2000WO-US005601.

XX PR 02-MAR-2000; 2000WO-US005841.

XX PR 03-MAR-2000; 2000US-0187202P.

XX PR 06-MAR-2000; 2000US-0186968P.

XX PR 14-MAR-2000; 2000US-0189328P.

XX PR 15-MAR-2000; 2000WO-US006884.

XX PR 21-MAR-2000; 2000US-0190828P.

XX PR 21-MAR-2000; 2000US-0191007P.

XX PR 21-MAR-2000; 2000US-0191049P.

XX PR 21-MAR-2000; 2000US-0191314P.

XX PR 28-MAR-2000; 2000US-0192655P.

XX PR 29-MAR-2000; 2000US-0193032P.

XX PR 29-MAR-2000; 2000US-0193053P.

XX PR 30-MAR-2000; 2000WO-US008439.

XX PR 04-APR-2000; 2000US-0194449P.

XX PR 11-APR-2000; 2000US-0195975P.

XX PR 11-APR-2000; 2000US-0196000P.

XX PR 11-APR-2000; 2000US-0196187P.

XX PR 11-APR-2000; 2000US-0196690P.

XX PR 11-APR-2000; 2000US-0196820P.

XX PR 18-APR-2000; 2000US-0198121P.

XX PR 18-APR-2000; 2000US-0198585P.

XX PR 25-APR-2000; 2000US-0199397P.

XX PR 25-APR-2000; 2000US-0199550P.

XX PR 25-APR-2000; 2000US-0199654P.

XX PR 03-MAY-2000; 2000US-0201516P.

XX PR 17-MAY-2000; 2000WO-US013705.

XX PR 22-MAY-2000; 2000WO-US014042.

Qy 61 DIKLSDIVIOWLKEGVLGVHFEKGEKDELSEODEMFRGRTAVFADQVIVGNASLRLKNV 120  
Db 61 DIKLSDIVIOWLKEGVLGVHFEKGEKDELSEODEMFRGRTAVFADQVIVGNASLRLKNV 120  
Qy 121 QLTDAGYKCYIIITSKKGKGNANLEYKTGAFSPMEPVNDYNNASSETLRCEAPRFPQPTVV 180  
Db 121 QLTDAGYKCYIIITSKKGKGNANLEYKTGAFSPMEPVNDYNNASSETLRCEAPRFPQPTVV 180  
Qy 181 WASQVDQGANFSEVNTSFEIENSVTKVSVLYNVTINNTYSMTIENDIAKATGDIKV 240  
Db 181 WASQVDQGANFSEVNTSFEIENSVTKVSVLYNVTINNTYSMTIENDIAKATGDIKV 240  
Qy 241 TESEIKRSHLQLLNSKASLCVSSFFAISWALLPLSPYMLK 282  
Db 241 TESEIKRSHLQLLNSKASLCVSSFFAISWALLPLSPYMLK 282

RESULT 2

AAU29132

ID AAU29132 standard; protein; 282 AA.

XX AC AAU29132;

XX DT 07-NOV-2000 (first entry)

XX DE Human ovarian carcinoma antigen O8E protein SEQ ID NO:393.

XX KW Human; ovarian carcinoma; ovarian cancer; therapy; diagnosis;  
XX KW tumour antigen; identification; cytostatic; gene therapy; vaccine.

XX OS Homo sapiens.

XX PN WO2000036107-A2.

XX PD 22-JUN-2000.

XX PF 17-DEC-1999; 99WO-US030270.

XX PR 17-DEC-1998; 98US-00215681.

XX PR 17-DEC-1998; 98US-00216003.

XX PR 23-JUN-1999; 99US-00338933.

XX PR 24-SEP-1999; 99US-00404879.

XX PA (CORI-) CORIXA CORP.

XX PI Mitcham JL, King GE, Algate PA, Frudakis TN;

XX DR WPI; 2000-431589/37.

XX PT Immunogenic portion of an ovarian carcinoma protein and the nucleic acid  
XX PT encoding it, useful for the diagnosis, prevention and treatment of  
XX PT cancer, preferably ovarian cancer.

XX PS Example 2; Page 207; 299pp; English.

XX CC The present invention describes an isolated polypeptide comprising an  
XX CC immunogenic portion of an ovarian carcinoma protein (or its variants).  
XX CC Ovarian carcinoma proteins, and polynucleotides encoding them, have  
XX CC cytostatic activity and can be used in gene therapy and vaccines. Ovarian  
XX CC carcinoma polypeptides, nucleic acids, antibodies and vaccines are useful  
XX CC for the prevention, diagnosis and treatment of cancer, preferably ovarian  
XX CC cancer. AAA69691 to AAA70077 and AAA12552 to AAA12557 represent human  
XX CC ovarian carcinoma polynucleotides and proteins used in the  
XX CC exemplification of the present invention

XX SQ Sequence 282 AA;

Query:Match 100.0%; Score 1431; DB 3; Length 282;

Best Local Similarity 100.0%; Pred. No. 3.9e-118;

Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MASLQILFWISIIIIILAGAILIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

30-MAY-2000; 2000WO-US014941.  
02-JUN-2000; 2000WO-US015264.  
05-JUN-2000; 2000US-0209832P.  
28-JUL-2000; 2000WO-US020710.  
22-AUG-2000; 2000US-00844848.  
24-AUG-2000; 2000WO-US023328.  
08-NOV-2000; 2000WO-US030952.  
01-DEC-2000; 2000WO-US032678.  
20-DEC-2000; 2000WO-US034956.

(GETH ) GENENTECH INC.

Baker KP, Chen J, Desnoyers L, Goddard A, Godowski PJ, Gurney AL;  
Pan J, Smith V, Watanabe CK, Wood WI, Zhang Z;

WPI; 2001-602746/68.

N-PSDB; AAS46033.

Novel nucleic acids encoding PRO polypeptides, used to diagnose the presence of tumors, such as prostate and breast tumors, in mammals and to screen for modulators of the compounds.

Claim 11; Fig 218; 774pp; English.

Sequences AAU29024-AAU29328 represent PRO polypeptides of the invention. The PRO polypeptides and their associated nucleic acids can be used to detect the presence of a tumour in a mammal by comparing the level of expression of a PRO polypeptide in a test sample of cells from the animal and a control sample of normal cells, whereby a higher level of expression in the test sample indicates the presence of a tumour in the animal. Mammals include dogs, cats, cattle, horses, sheep, pigs, goats and rabbits but are preferably human. The polypeptides can be used to stimulate tumour necrosis factor (TNF) alpha release from human blood, when contacted with it. A specific polypeptide can be used to stimulate the proliferation or differentiation of chondrocyte cells. The PRO proteins can be used to determine the presence of tumours and also susceptibility to tumour development, particularly adrenal, lung, colon, breast, prostate, rectal, cervical, or liver tumours, in mammalian subjects. The oligonucleotide probes specific for the PRO nucleic acids can be used for genetic analysis of individuals with genetic disorders

Sequence 282 AA;

Query Match 100.0%; Score 1431; DB 4; Length 282;  
Best Local Similarity 100.0%; Pred. No. 3.9e-118;  
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MASLQILFWSIIISIIIIAGAILIIGFGISGRHSITVTVASAGNIGEDGILSCTFEP 60  
DB 1 MASLQILFWSIIISIIIIAGAILIIGFGISGRHSITVTVASAGNIGEDGILSCTFEP 60  
QY 61 DIKLSDIVIOWLKEGVLGVHFEKKGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120  
DB 61 DIKLSDIVIOWLKEGVLGVHFEKKGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120  
QY 121 QLTADGTYKCYIITSGKGNANLEYKTGAFSPMEVNVNDYNASSETLRCEAPRFPQPTVV 180  
DB 121 QLTADGTYKCYIITSGKGNANLEYKTGAFSPMEVNVNDYNASSETLRCEAPRFPQPTVV 180  
QY 181 WASQVDOGANFSEVNTSPFELSENVTMKVSVLVNNTTNTTSCMIENDIAKATGDIKV 240  
DB 181 WASQVDOGANFSEVNTSPFELSENVTMKVSVLVNNTTNTTSCMIENDIAKATGDIKV 240  
QY 241 TSEIKRRSHLOLLNSKSLCVSSFFAISWALLPLSPYMLK 282  
DB 241 TSEIKRRSHLOLLNSKSLCVSSFFAISWALLPLSPYMLK 282

RESULT 4  
AAB87555  
ID AAB87555 standard; protein; 282 AA.  
XX  
AC AAB87555;

XX 15-MAY-2001 (first entry)  
DT Human PRO1291.  
XX  
DE Human; PRO protein; mapping.  
XX  
KW Homo sapiens.  
OS  
PN WO200116318-A2.  
XX  
PD 08-MAR-2001.  
XX  
PF 24-AUG-2000; 2000WO-US023328.  
XX  
PR 01-SEP-1999; 99WO-US020111.  
PR 15-SEP-1999; 99WO-US021090.  
PR 07-DEC-1999; 99US-0169495P.  
PR 09-DEC-1999; 99US-0170262P.  
PR 11-JAN-2000; 2000US-0175481P.  
PR 18-FEB-2000; 2000WO-US004341.  
PR 18-FEB-2000; 2000WO-US004342.  
PR 22-FEB-2000; 2000WO-US004414.  
PR 01-MAR-2000; 2000WO-US005601.  
PR 03-MAR-2000; 2000US-0187202P.  
PR 30-MAR-2000; 2000WO-US008439.  
PR 25-APR-2000; 2000US-0193397P.  
PR 22-MAY-2000; 2000WO-US014042.  
PR 05-JUN-2000; 2000US-0209832P.  
XX  
(GETH ) GENENTECH INC.

Baton DL, Filvaroff E, Gerritsen ME, Goddard A, Godowski PJ;

Grimaldi CJ, Gurney AL, Watanabe CK, Wood WI;

WPI; 2001-183260/18.

N-PSDB; AAF92087.

Eighty four nucleic acids encoding PRO polypeptides, useful in molecular biology, including use as hybridization probes, and in chromosome and gene mapping.

Claim 12; Fig 60; 278pp; English.

The present sequence is a human PRO polypeptide (secreted and transmembrane). The PRO protein, and PRO agonists, PRO antagonists or anti-PRO antibodies are useful for preparation of a medicament useful in the treatment of a condition which is responsive to the PRO protein, agonists, antagonists or anti-PRO antibodies. The PRO protein may also be employed as molecular weight markers for protein electrophoresis. The PRO coding sequence has applications in molecular biology, including use as hybridisation probes, and in chromosome and gene mapping

Sequence 282 AA;

Query Match 100.0%; Score 1431; DB 4; Length 282;  
Best Local Similarity 100.0%; Pred. No. 3.9e-118;  
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MASLQILFWSIIISIIIIAGAILIIGFGISGRHSITVTVASAGNIGEDGILSCTFEP 60  
DB 1 MASLQILFWSIIISIIIIAGAILIIGFGISGRHSITVTVASAGNIGEDGILSCTFEP 60  
QY 61 DIKLSDIVIOWLKEGVLGVHFEKKGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120  
DB 61 DIKLSDIVIOWLKEGVLGVHFEKKGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120  
QY 121 QLTADGTYKCYIITSGKGNANLEYKTGAFSPMEVNVNDYNASSETLRCEAPRFPQPTVV 180  
DB 121 QLTADGTYKCYIITSGKGNANLEYKTGAFSPMEVNVNDYNASSETLRCEAPRFPQPTVV 180  
QY 181 WASQVDOGANFSEVNTSPFELSENVTMKVSVLVNNTTNTTSCMIENDIAKATGDIKV 240

```
Db 181 WASQVDOGANFSEVSNTPFELNSENVTKVSVLVNVTINNTYSCMIENDIAKATGDIKV 240
241 TESIIRKRRSHLQLLNKSLCVSSFFAISWALLPLSPYMLK 282
241 TESIIRKRRSHLQLLNKSLCVSSFFAISWALLPLSPYMLK 282

RESULT 5
AAB99204
ID AAB99204 standard; protein; 282 AA.
XX
AC AAB99204;
XX
DT 04-SEP-2001 (first entry)
XX
DE Human ovarian tumour derived antigen O8B #1.
XX
KW Cytostatic; human; breast tumour protein; breast cancer; ovarian tumour;
KW antigen; O8B.
XX
OS Homo sapiens.
XX
PN WO200140269-A2
XX
PD 07-JUN-2001.
XX
PF 29-NOV-2000; 2000WO-US032520.
XX
PR 30-NOV-1999; 99US-00451551.
PR 22-FEB-2000; 2000US-00510562.
PR 10-MAR-2000; 2000US-00523586.
PR 07-APR-2000; 2000US-00545068.
PR 15-MAY-2000; 2000US-00571025.
XX
PA (CORI-) CORIXA CORP.
XX
PI Dillon DC, Day CH, Jiang Y, Houghton RL, Mitcham JL, Wang A;
XX
DR WPI; 2001-356154/37.
XX
DR N-PSDB; AAH55681.
XX
PT Breast tumor polypeptides and the nucleic acids that encode them, useful
PT for the prevention, diagnosis and treatment of breast cancer.
XX
FS Example 3; Page 190; 221pp; English.
XX
CC The present invention relates to human breast tumour protein coding
CC sequences (see AAH55479-AAH55513, AAH55517-AAH55679 and AAH55682-
CC AAH55762). The breast tumour protein DNA sequences may be used in the
CC prevention, diagnosis and treatment of diseases associated with
CC inappropriate expression of the breast tumour protein e.g. breast cancer.
CC The present sequence is a human ovarian tumour-derived antigen, which was
CC used in an example from the present invention
XX
SQ Sequence 282 AA;

Query Match
Best Local Similarity 100.0%; Score 1431; DB 4; Length 282;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MASLGQILFWSIISIIILAGAILIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
Db 1 MASLGQILFWSIISIIILAGAILIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
Qy 61 DIKLSDIVIOMKEGLVHVEKGEKDELSEQDEMERGRVAFADQVIVGNASLRKNV 120
Db 61 DIKLSDIVIOMKEGLVHVEKGEKDELSEQDEMERGRVAFADQVIVGNASLRKNV 120
Qy 121 QLTDAAGTKVCIITTSKKGANLKYKTGAFSMPENVNDYNASSETLRCEAPRFPQPTVV 180
Db 121 QLTDAAGTKVCIITTSKKGANLKYKTGAFSMPENVNDYNASSETLRCEAPRFPQPTVV 180
```

```
Qy 181 WASQVDOGANFSEVSNTPFELNSENVTKVSVLVNVTINNTYSCMIENDIAKATGDIKV 240
Db 181 WASQVDOGANFSEVSNTPFELNSENVTKVSVLVNVTINNTYSCMIENDIAKATGDIKV 240
Qy 241 TESIIRKRRSHLQLLNKSLCVSSFFAISWALLPLSPYMLK 282
Db 241 TESIIRKRRSHLQLLNKSLCVSSFFAISWALLPLSPYMLK 282

RESULT 6
AAB65242
ID AAB65242 standard; protein; 282 AA.
XX
AC AAB65242;
XX
DT 02-APR-2001 (first entry)
XX
DE Human PRO1291 (UNQ659) protein sequence SEQ ID NO:291.
XX
KW Human; secreted and transmembrane protein; PRO; cytostatic; cell death;
KW cancer; chromosomal mapping; gene mapping; tissue typing;
KW diagnostic assay.
XX
OS Homo sapiens.
XX
PN WO200073454-A1.
XX
PD 07-DEC-2000.
XX
PF 30-MAR-2000; 2000WO-US008439.
XX
PR 02-JUN-1999; 99WO-US012252.
PR 23-JUN-1999; 99US-0141037P.
PR 07-JUL-1999; 99US-0143048P.
PR 20-JUL-1999; 99US-0144758P.
PR 26-JUL-1999; 99US-0145698P.
PR 28-JUL-1999; 99US-0146222P.
PR 17-AUG-1999; 99US-0149396P.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 08-OCT-1999; 99US-0158663P.
PR 30-NOV-1999; 99WO-US028313.
PR 01-DEC-1999; 99WO-US028301.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003585.
PR 18-FEB-2000; 2000WO-US004341.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
XX
PA (GETH ) GENENTECH INC.
XX
XX Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
XX Ferrera N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;
XX Grimaldi CJ, Gurney AL, Kijavini IJ, Napier MA, Pan J, Paoni NF;
XX Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;
XX Zhang Z;
XX
XX WPI; 2001-032160/04.
XX N-PSDB; AAF44205.
XX
PT PRO polynucleotides used to produce polypeptides used to target bioactive
PT molecules such as toxins, radiolabels or antibodies, to specific cells,
PT to cause targeted cell death.
XX
PS Claim 12; Fig 208; 935pp; English.
XX
```

Query Match	100.0%;	Score 1431;	DB 5;	Length 282;
Best Local Similarity	100.0%;	Pred. No. 3.9e-118;	Indels 0;	Gaps 0;
Matches 282;	Conservative 0;	Mismatches 0;		
Qy	1	MASLGQLFWSIISIIIIILAGAALIIIGFISGRHSITVTTVASAGNIGEDGILSCTPEP	60	
Db	1	MASLGQLFWSIISIIIIILAGAALIIIGFISGRHSITVTTVASAGNIGEDGILSCTPEP	60	
Qy	61	DIKLSDIVIQWLKEGVILGVHEPEKGGDELSEODEMFRGRTAVFADQVTVGNASLRLLKNV	120	
Db	61	DIKLSDIVIQWLKEGVILGVHEPEKGGDELSEODEMFRGRTAVFADQVTVGNASLRLLKNV	120	
Qy	121	QLTDAGTVKCYIITSKGKNANLEYKTGAFSPMEPVNVVDYNASSETLRCBAPRWFQPTVV	180	
Db	121	QLTDAGTVKCYIITSKGKNANLEYKTGAFSPMEPVNVVDYNASSETLRCBAPRWFQPTVV	180	
Qy	181	WASVDQGANFSEVSNITSFELNGENVTKKVSVLYNVNTINNTYSCHIENDIAKATGDIKV	240	
Db	181	WASVDQGANFSEVSNITSFELNGENVTKKVSVLYNVNTINNTYSCHIENDIAKATGDIKV	240	
Qy	241	TESETKRSHQLLNKASLCVSSFFAISWALLPLSPYMLK	282	
Db	241	TESETKRSHQLLNKASLCVSSFFAISWALLPLSPYMLK	282	

ovarian carcinogenic potential of a compound, or inhibiting ovarian cancer or at risk of developing ovarian cancer. The present amino acid sequence represents one of the ovarian cancer markers described in the invention

XX SQ Sequence 282 AA;

Query Match 100.0%; Score 1431; DB 5; Length 282;  
 Best Local Similarity 100.0%; Pred. No. 3.9e-118;  
 Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MASIGQLFWSIIISIIILAGATALLIGFISGRHSITVTTVASAGNIGEDGILSCTFEP 60  
 DB 1 MASIGQLFWSIIISIIILAGATALLIGFISGRHSITVTTVASAGNIGEDGILSCTFEP 60  
 QY 61 DIKLSDIVIOWLKEGVLGVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRKNV 120  
 DB 61 DIKLSDIVIOWLKEGVLGVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRKNV 120  
 QY 121 QLTDAITYKCYIIITSKGGNANLEYKTGAFSPMPVNVVDYNASSETLCEAPRWFPQTVV 180  
 DB 121 QLTDAITYKCYIIITSKGGNANLEYKTGAFSPMPVNVVDYNASSETLCEAPRWFPQTVV 180  
 QY 181 WASQVDQGANFSEVSNSTSFELNSENVTKVSVLYVNTINNTYSCMIENDIAKATGDIKV 240  
 DB 181 WASQVDQGANFSEVSNSTSFELNSENVTKVSVLYVNTINNTYSCMIENDIAKATGDIKV 240  
 QY 241 TESEIKRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282  
 DB 241 TESEIKRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282

RESULT 9  
 AAU77766  
 ID AAU77766 standard; protein; 282 AA.  
 AC AAU77766;  
 XX  
 DT 05-JUN-2002 (first entry)  
 XX  
 DE Tumour associated antigenic target polypeptide (TAT) 136.  
 XX  
 KW Tumour associated antigenic target polypeptide; TAT; cancer; breast cancer; colorectal cancer; lung cancer; ovarian cancer; central nervous system cancer; liver cancer; bladder cancer; pancreatic cancer; cervical cancer; melanoma; leukaemia; TAT136.  
 XX  
 CS Homo sapiens.  
 XX

Key Location/Qualifiers  
 FT Peptide 1..28  
 FT Protein /label= Signal\_peptide  
 FT /label= Mature\_TAT136  
 FT /note= "Tumour associated antigenic target polypeptide"  
 FT Region 52..58  
 FT /label= N-myristoylation\_site  
 FT Region 112..116  
 FT /label= N-glycosylation\_site  
 FT Domain 119..123  
 FT /label= Immunoglobulin\_domain  
 FT Region 126..132  
 FT /label= N-myristoylation\_site  
 FT Region 150..164  
 FT /label= N-glycosylation\_site  
 FT Region 188..194  
 FT /label= N-myristoylation\_site  
 FT Region 190..194  
 FT /label= N-glycosylation\_site  
 FT Region 196..200  
 FT /label= N-glycosylation\_site  
 FT Region 205..209  
 FT /label= N-glycosylation\_site

RESULT 8  
 ABG96445  
 ID ABG96445 standard; protein; 282 AA.  
 XX  
 AC ABG96445;  
 XX  
 DT 11-DEC-2002 (first entry)  
 XX  
 DE Human ovarian cancer marker OV88.  
 XX  
 KW Human; ovarian cancer; marker; cancer; familial history; brain disorder; central nervous system disorder; bacterial meningitis; viral meningitis; Alzheimer's disease; Parkinson's disease; cerebral oedema; hydrocephalus; brain herniation; inflammation; encephalitis; testicular disorder; non-tuberculous granulomatous orchitis; connective tissue disorder; heart disorder; ischaemic heart disease; atherosclerosis; neoplasm; histological type; carcinogenic; ovarian cancer marker.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200271928-A2.  
 XX  
 PD 19-SEP-2002.  
 XX  
 PF 14-MAR-2002; 2002WO-US007826.  
 XX  
 PR 14-MAR-2001; 2001US-0276025P.  
 PR 14-MAR-2001; 2001US-0276026P.  
 PR 10-AUG-2001; 2001US-0311732P.  
 PR 19-SEP-2001; 2001US-0323580P.  
 PR 26-SEP-2001; 2001US-0324967P.  
 PR 26-SEP-2001; 2001US-0325102P.  
 PR 26-SEP-2001; 2001US-0325149P.  
 XX  
 (MILL-) MILLENNIUM PHARM INC.  
 XX  
 PI Monahan JE, Gannavarapu M, Hoersch S, Kamatkar S, Kovatis SG;  
 PI Meyers RE, Morrissey RP, Olandt PJ, Sen A, Vieby PO, Mills GB;  
 PI Bast RC, Lu K, Schmandt RE, Zhao X, Glatt X;  
 XX  
 DR WPI; 2002-723277/78.  
 DR N-PSDB; ABS76544.  
 XX  
 PT Assessing whether a patient is afflicted with ovarian cancer, useful in assessing the stage or progression of the disease, comprises comparing the expression level of a cancer marker in a sample from a patient and from a non cancer patient.  
 XX  
 PS Disclosure; Page 468-469; 48ipp; English.  
 XX  
 CC The present invention relates to a new method for assessing whether a patient is afflicted with ovarian cancer. The method involves comparing the expression level of a marker in a patient sample and the normal level of expression of the marker in a control non-ovarian cancer sample, where the marker is selected from 363 cancer markers described in the specification. The method of the invention is useful in diagnosing or characterising cancer, in detecting the presence of cancer as early as possible, and the recurrence of ovarian cancer. The method may also be of particular use with patients having an enhanced risk of developing ovarian cancer (e.g. patients having a familial history of ovarian cancer). The cancer markers may be used in the management and treatment of e.g. brain and central nervous system disorders (e.g. bacterial and viral meningitis, Alzheimer's disease or Parkinson's disease), brain disorders (e.g. cerebral oedema, hydrocephalus or brain herniations), inflammations (e.g. bacterial or viral meningitis or encephalitis), testicular disorders (e.g. non-tuberculous granulomatous orchitis), connective tissue disorders, or heart disorders (e.g. ischaemic heart disease or atherosclerosis). The compositions and methods may also be used in assessing the histological type of neoplasm associated with ovarian cancer, monitoring the progression of ovarian cancer, determining whether ovarian cancer has metastasized or is likely to metastasize, and selecting a composition for inhibiting ovarian cancer, assessing the

FT Region 216..220  
 FT /label= N-glycosylation\_site  
 FT 220..224  
 FT /label= N-glycosylation\_site  
 FT 258..282  
 FT /label= Transmembrane\_domain  
 XX WO200216581-A2.  
 FN 28-FEB-2002.  
 XX 14-AUG-2001; 2001WO-US025464.  
 XX 24-AUG-2000; 2000WO-US023328.  
 PR 28-FEB-2001; 2001WO-US006520.  
 PR 22-JUN-2001; 2001US-00888257.  
 XX 22-JUN-2001; 2001WO-US020118.  
 XX (GETH ) GENENTECH INC.  
 PA Gao W, Polakis P, Shou J, Smith V, Soriano R, Williams PM;  
 FI Wu TD, Zhang Z;  
 FI WPI; 2002-280928/32.  
 DR N-PsDB; ASK11744.  
 XX Novel isolated antibody which binds to tumor-associated antigenic target  
 PT polypeptide useful for killing cancer cells expressing the polypeptide  
 PT and for treating tumor comprising cells that expresses the polypeptide.  
 PS Claim 2; Fig 8; 123pp; English.  
 CC The invention describes an isolated antibody which binds to a tumour-  
 CC associated antigenic target (TAT) polypeptide. The antibody is useful  
 CC for: killing a cancer cell (such as a breast, colorectal, lung, ovarian,  
 CC central nervous system, liver, bladder, pancreatic, cervical, melanoma or  
 CC leukaemia cell) that expresses a polypeptide with at least 80% identity  
 CC to the TAT polypeptide sequence; treating a tumour comprising cells that  
 CC express a polypeptide with at least 80% identity to the TAT polypeptide  
 CC sequence; determining the presence of a polypeptide having at least 80 %  
 CC identity to the TAT polypeptide sequence in a sample suspected of  
 CC containing the polypeptide; diagnosing the presence of a tumour in a  
 CC mammal; and for antibody dependent enzyme mediated prodrug therapy  
 CC (ADEPT). This is the amino acid sequence of the tumour associated  
 CC antigenic target polypeptide (TAT) 136, described in the invention  
 XX Sequence 282 AA;  
 SQ

Query Match 100.0%; Score 1431; DB 5; Length 282;  
 Best Local Similarity 100.0%; Pred. No. 3.9e-118; Indels 0; Gaps 0;  
 Matches 282; Conservative 0; Mismatches 0;  
 QY 1 MASLQQLFWSIIISIIILAGAILIIGFISGRHSITVTTVASAGNIGEDGILSCTFEP 60  
 Db 1 MASLQQLFWSIIISIIILAGAILIIGFISGRHSITVTTVASAGNIGEDGILSCTFEP 60  
 QY 61 DIKLSDIVIQWLKEGVGLVHFEKKGKDELSEQDEMPFRGTAVFADQVIVGNASLRKNV 120  
 Db 61 DIKLSDIVIQWLKEGVGLVHFEKKGKDELSEQDEMPFRGTAVFADQVIVGNASLRKNV 120  
 QY 121 QLTDAQTKYCIITISKGNANLEYKTGFASPEVNVNDYNASSETLRCEAPRWFPPQTVV 180  
 Db 121 QLTDAQTKYCIITISKGNANLEYKTGFASPEVNVNDYNASSETLRCEAPRWFPPQTVV 180  
 QY 181 WASQVDQGANFSEVNTSFELNSENVTKVSVLNVNTINTYSCMIENDAKATGDIKV 240  
 Db 181 WASQVDQGANFSEVNTSFELNSENVTKVSVLNVNTINTYSCMIENDAKATGDIKV 240  
 QY 241 TSEIKRRSHLQLLNASKSLCVSSFFAISWALLPLSPYMLK 282  
 Db 241 TSEIKRRSHLQLLNASKSLCVSSFFAISWALLPLSPYMLK 282

RESULT 10  
 ABG95880  
 ID ABG95880 standard; protein; 282 AA.  
 XX  
 AC ABG95880;  
 XX  
 DT 10-DEC-2002 (first entry)  
 XX  
 DE Human secreted/transmembrane protein PRO1291.  
 XX  
 KW Human; secreted protein; transmembrane protein; antirheumatic;  
 KW antiarthritic; osteopathic; sports-related joint problem;  
 KW articular cartilage defect; osteoarthritis; rheumatoid arthritis.  
 XX  
 OS Homo sapiens.  
 XX  
 FN US2002119130-A1.  
 XX  
 PD 29-AUG-2002.  
 XX  
 PF 06-DEC-2001; 2001US-00006867.  
 XX  
 PR 29-OCT-1997; 97US-0063435P.  
 PR 29-OCT-1997; 97US-0064215P.  
 PR 22-APR-1998; 98US-0082797P.  
 PR 29-APR-1998; 98US-0083495P.  
 PR 15-MAY-1998; 98US-0085579P.  
 PR 02-JUN-1998; 98US-0087759P.  
 PR 04-JUN-1998; 98US-0088021P.  
 PR 04-JUN-1998; 98US-0088023P.  
 PR 04-JUN-1998; 98US-0088030P.  
 PR 10-JUN-1998; 98US-0088734P.  
 PR 10-JUN-1998; 98US-0088740P.  
 PR 10-JUN-1998; 98US-0088811P.  
 PR 10-JUN-1998; 98US-0088824P.  
 PR 11-JUN-1998; 98US-0088825P.  
 PR 11-JUN-1998; 98US-0088863P.  
 PR 12-JUN-1998; 98US-0089105P.  
 PR 16-JUN-1998; 98US-0089514P.  
 PR 17-JUN-1998; 98US-0089653P.  
 PR 19-JUN-1998; 98US-0089952P.  
 PR 23-JUN-1998; 98US-0090246P.  
 PR 24-JUN-1998; 98US-0090444P.  
 PR 25-JUN-1998; 98US-0090688P.  
 PR 25-JUN-1998; 98US-0090696P.  
 PR 26-JUN-1998; 98US-0090862P.  
 PR 02-JUL-1998; 98US-0091628P.  
 PR 10-AUG-1998; 98US-0096012P.  
 PR 17-AUG-1998; 98US-0096757P.  
 PR 18-AUG-1998; 98US-0096949P.  
 PR 18-AUG-1998; 98US-0096959P.  
 PR 28-AUG-1998; 98US-0097954P.  
 PR 26-AUG-1998; 98US-0097971P.  
 PR 26-AUG-1998; 98US-0097979P.  
 PR 01-SEP-1998; 98US-0098749P.  
 PR 10-SEP-1998; 98US-0099741P.  
 PR 10-SEP-1998; 98US-0099763P.  
 PR 10-SEP-1998; 98US-0099792P.  
 PR 10-SEP-1998; 98US-0099812P.  
 PR 10-SEP-1998; 98US-0099815P.  
 PR 16-SEP-1998; 98US-0100627P.  
 PR 16-SEP-1998; 98US-0100662P.  
 PR 16-SEP-1998; 98US-0100662P.  
 PR 17-SEP-1998; 98US-0100683P.  
 PR 17-SEP-1998; 98US-0100684P.  
 PR 17-SEP-1998; 98US-0100930P.  
 PR 22-SEP-1998; 98US-0101279P.  
 PR 23-SEP-1998; 98US-0101475P.  
 PR 24-SEP-1998; 98US-0101738P.  
 PR 24-SEP-1998; 98US-0101743P.  
 PR 24-SEP-1998; 98US-0101916P.  
 PR 30-SEP-1998; 98US-0102570P.  
 PR 06-OCT-1998; 98US-0103449P.

PR 08-MAR-1999; 99WO-US005028.  
 PR 14-MAY-1999; 99WO-US010733.  
 PR 02-JUN-1999; 99WO-US012252.  
 PR 01-SEP-1999; 99WO-US020111.  
 PR 15-SEP-1999; 99WO-US021090.  
 PR 15-SEP-1999; 99WO-US021194.  
 PR 22-DEC-1999; 99WO-US030720.  
 PR 18-FEB-2000; 2000WO-US004341.  
 PR 18-FEB-2000; 2000WO-US004342.  
 PR 22-FEB-2000; 2000WO-US004414.  
 PR 01-MAR-2000; 2000WO-US005601.  
 PR 30-MAR-2000; 2000WO-US008439.  
 PR 22-MAY-2000; 2000WO-US014042.  
 PR 02-JUN-2000; 2000WO-US015264.  
 PR 23-AUG-2000; 2000WO-US023522.  
 PR 24-AUG-2000; 2000WO-US023328.  
 PR 10-NOV-2000; 2000WO-US030873.  
 PR 01-DEC-2000; 2000WO-US032378.  
 PR 20-DEC-2000; 2000WO-US034956.  
 PR 28-FEB-2001; 2001WO-US006520.  
 PR 01-MAR-2001; 2001WO-US006666.  
 PR 30-MAY-2001; 2001WO-US017443.  
 PR 01-JUN-2001; 2001WO-US017800.  
 PR 20-JUN-2001; 2001WO-US019692.  
 PR 28-JUN-2001; 2001WO-US021066.  
 PR 09-JUL-2001; 2001WO-US021735.  
 XX  
 PA (GETH ) GENENTECH INC.  
 XX  
 PI Eaton DL, Filvaroff E, Gerritsen ME, Goddard A, Godowski PJ;  
 PI Grimaldi JC, Gurney AL, Watanabe CK, Wood WI;  
 XX  
 DR WPI; 2002-731348/79.  
 DR N-PSDB; ABS74407.  
 XX  
 XX  
 PT New isolated secreted and transmembrane PRO polypeptide useful for  
 PT modulating biological activity of a cell, or for treating sports-related  
 PT joint problems, osteoarthritis or rheumatoid arthritis.  
 XX  
 PS Claim 20; Fig 60; 399pp; English.  
 XX  
 CC The invention relates to an isolated secreted and transmembrane PRO  
 CC polypeptide having 80 % sequence identity to a sequence appearing as  
 CC ABG95851-ABG95934 or their associated signal peptide, or a sequence of an  
 CC extracellular domain of the proteins with their associated signal peptide  
 CC or lacking its associated signal peptide. Also included are the nucleic  
 CC acids encoding the proteins, vectors, host cells, fusion proteins and  
 CC antibodies which specifically bind to the proteins. The proteins are  
 CC useful for detecting a polypeptide designated as A, B, C or D in a sample  
 CC suspected of containing A, B, C or D polypeptide, by contacting the  
 CC sample with a polypeptide designated as E, F, G, H or I (or vice versa)  
 CC and determining the formation of a A/E, B/F, B/G, C/H or D/I polypeptide  
 CC conjugate in the sample, where the formation of the conjugate is  
 CC indicative of the presence of an A, B, C or D polypeptide in the sample,  
 CC where A is a PRO10272 polypeptide, B is a PRO20110 polypeptide, C is a  
 CC PRO10096 polypeptide, D is a PRO19760 polypeptide, E is a PRO5801  
 CC polypeptide, F is a PRO1 polypeptide, G is a PRO20040 polypeptide, H is a  
 CC PRO20233 polypeptide and I is a PRO1890 polypeptide. The sample comprises  
 CC a cell suspected of expressing the A, B, C or D polypeptide. The E, F, G,  
 CC H or I polypeptide is labeled with a detectable label or is attached to a  
 CC solid support. The proteins are useful for linking a bioactive molecule  
 CC to a cell expressing a polypeptide designated as A, B, C or D or E, F, G,  
 CC H or I. The bioactive molecule is a toxin, a radiolabel or an antibody.  
 CC The bioactive molecule causes death of the cell. A, B, C, D, E, F, G, H,  
 CC or I, or antibodies against them are useful for modulating a biological  
 CC activity of a cell expressing a polypeptide designated as A, B, C or D or  
 CC E, F, G, H, or I. The cell is killed. The proteins are useful for  
 CC identifying agonists or antagonists, for the preparation of a medicament  
 CC useful in the treatment of a condition which is responsive to the  
 CC proteins, as molecular weight markers for protein electrophoresis  
 CC purposes, and as therapeutic agents for treating sports-related joint  
 CC problems, articular cartilage defects, osteoarthritis or rheumatoid  
 CC arthritis. Nucleic acids encoding the proteins are useful as

CC hybridisation probes, in chromosome and gene mapping, in the generation  
 CC of anti-sense RNA and DNA, for the preparation of the proteins, to  
 CC generate transgenic or knockout animals which are useful in the  
 CC development and screening of therapeutic useful reagents, for chromosome  
 CC identification, and in gene therapy. The antibody is useful as a  
 CC therapeutic agent, in a diagnostic assay and for affinity purification of  
 CC the protein from recombinant cell culture natural sources. The present  
 CC sequence represents a novel secreted or transmembrane protein of the  
 CC invention  
 XX  
 SQ Sequence 282 AA;  
 Query Match 100.0%; Score 1431; DB 5; Length 282;  
 Best Local Similarity 100.0%; Pred. No. 3.9e-118; Indels 0; Gaps 0;  
 Matches 282; Conservative 0; Mismatches 0;  
 QY 1 MASLGQILFWNSIIIIIIAGAIALIIIGFISGRHSITVTIVASAGNIGEDGILSCFEP 60  
 DB 1 MASLGQILFWNSIIIIIIAGAIALIIIGFISGRHSITVTIVASAGNIGEDGILSCFEP 60  
 QY 61 DIKLSDIVIOWLKEGVIGLHVHEFKGKDELSEQDEMERGRTAVFADQVIVGNASIRLKNV 120  
 DB 61 DIKLSDIVIOWLKEGVIGLHVHEFKGKDELSEQDEMERGRTAVFADQVIVGNASIRLKNV 120  
 QY 121 QLTDAITYKCYIIITSKGGKGNANLEYKTGAFSMPVNVNDYNASSETLRCEAPRFPQPTVV 180  
 DB 121 QLTDAITYKCYIIITSKGGKGNANLEYKTGAFSMPVNVNDYNASSETLRCEAPRFPQPTVV 180  
 QY 181 WASQVDQGANFSEVNTSFEIENSVNTKVSIVLYNTINNTYSCMIENDTAKATGDIKV 240  
 DB 181 WASQVDQGANFSEVNTSFEIENSVNTKVSIVLYNTINNTYSCMIENDTAKATGDIKV 240  
 QY 241 TESEIKRSHQLNLSKASLCVSSFFAISWALLPLSPYLMLK 282  
 DB 241 TESEIKRSHQLNLSKASLCVSSFFAISWALLPLSPYLMLK 282  
 RESULT 11  
 AAU76536  
 ID AAU76536 standard; protein; 282 AA.  
 XX  
 AC AAU76536;  
 XX  
 DT 05-JUN-2002 (first entry)  
 XX  
 DE Tumour-associated antigenic target protein, TAT136.  
 XX  
 KW TAT136; Tumour-associated Antigenic Target; tumour; breast cancer;  
 KW colorectal cancer; lung cancer; ovarian cancer;  
 KW central nervous system cancer; liver cancer; bladder cancer; melanoma;  
 KW pancreatic cancer; leukaemia; gene therapy.  
 XX  
 OS Homo sapiens.  
 XX  
 FH Key Location/Qualifiers  
 FT Peptide 1..28 "Signal sequence"  
 FT Protein 29..282 "Mature TAT134"  
 FT Domain 49..132 "Immunoglobulin domain"  
 FT Modified-site 52..58 "N-myristoylation site"  
 FT Modified-site 112..116 "Asn is N-glycosylated"  
 FT Modified-site 126..132 "N-myristoylation site"  
 FT Modified-site 160..164 "Asn is N-glycosylated"  
 FT Modified-site 190..194 "Asn is N-glycosylated"  
 FT Modified-site 196..200 "Asn is N-glycosylated"  
 FT Modified-site 196..200 "Asn is N-glycosylated"



FT Modified-site 205..209 /note= "Asn is N-glycosylated"  
FT Modified-site 216..220 /note= "Asn is N-glycosylated"  
FT Modified-site 220..224 /note= "Asn is N-glycosylated"  
FT Domain 258..281 /note= "Transmembrane domain"  
FT XX W02000216429-A2.  
XX PD 28-FEB-2002.  
XX PF 22-JUN-2001; 2001WO-US020118.  
XX PR 24-AUG-2000; 2000WO-US023328.  
XX PR 26-SEP-2000; 2000US-0235451P.  
XX PR 01-DEC-2000; 2000WO-US032678.  
XX PR 28-FEB-2001; 2001WO-US006520.  
XX PR 01-MAR-2001; 2001WO-US006566.  
XX PR (GETH ) GENENTECH INC.  
XX PI Goddard A, Godowski PJ, Gurney AL, Hillan KJ, Polakis P, Smith V;  
XX PI Wood WI, Wu TD, Zhang Z;  
XX PR WPI; 2002-280917/32.  
XX PR N-PSDB; ABK11091.  
XX PR Novel isolated tumor-associated antigenic target polypeptides which are  
XX PR useful as targets for cancer therapy and diagnosis in mammals.  
XX PS Claim 12; Fig 8; 121pp; English.  
XX CC The invention relates to an isolated tumour-associated antigenic target  
XX CC polypeptide (TAT) (I), specifically TAT134-TAT138 polypeptides, and the  
XX CC polynucleotides (II) encoding them. (II) is useful for diagnosing the  
XX CC presence of a tumour in a mammal, where the level of expression of (II)  
XX CC is indicative on the presence of tumour in the mammal from which the test  
XX CC sample was obtained. Antibody to (I) is useful for killing a cancer cell  
XX CC (e.g. breast cancer cell, a colorectal cancer cell, a lung cancer cell,  
XX CC an ovarian cancer cell, a central nervous system (CNS) cancer cell, a  
XX CC liver cancer cell, a bladder cancer cell, a pancreatic cancer cell, a  
XX CC melanoma cell or a leukaemia cell) that expresses (I). Oligonucleotides  
XX CC hybridising to (II) are useful as diagnostic probes, antisense  
XX CC oligonucleotide probes or for encoding fragments of full length TAT  
XX CC polypeptide. (II) is also useful in chromosome and gene mapping and in  
XX CC the generation of antisense RNA and DNA probes, for constructing  
XX CC hybridisation probes for mapping the gene encoding TAT and for genetic  
XX CC analysis of individuals with genetic disorders. (II) is also useful for  
XX CC generating either transgenic animals or knockout animals, and in gene  
XX CC therapy. The TAT polypeptides and nucleic acids may also be used for  
XX CC tissue typing and the TAT polypeptides are useful for screening compounds  
XX CC that mimic the TAT polypeptide (agonist) or prevent the effect of TAT  
XX CC polypeptide (antagonist). The antibody is useful for staging TAT  
XX CC polypeptide-expressing cancers, purifying or immunoprecipitating TAT  
XX CC polypeptide from cells for detection and quantitation of TAT polypeptide  
XX CC in vitro, e.g., in an enzyme linked immunosorbent assay (ELISA) or  
XX CC Western blot. The antibodies are also useful for treating a TAT-  
XX CC expressing cancer or alleviating one or more symptoms of cancer in a  
XX CC mammal. The present sequence represents the amino acid sequence of TAT136  
XX SQ Sequence 282 AA;

Query Match 100.0%; Score 1431; DB 5; Length 282;  
Best Local Similarity 100.0%; Pred. No. 3.9e-118; Indels 0; Gaps 0;  
Matches 282; Conservative 0; Mismatches 0;

QY 1 MASLQQLFWISIIIIILAGAILIIGFGISGRHSITVTTVASAGNIGEDGILSCFEP 60  
DB 1 MASLQQLFWISIIIIILAGAILIIGFGISGRHSITVTTVASAGNIGEDGILSCFEP 60  
QY 61 DIKLSDIVIQWLKEGVILGVHFEKGDSEQDEMFRGRTAVPADQVIVGNASRLKNV 120

DB 61 DIKLSDIVIQWLKEGVILGVHFEKGDSEQDEMFRGRTAVPADQVIVGNASRLKNV 120  
QY 121 QLTDAQTYKCYIITSKKGKGNANLEYKTCGAFSPMPVNVYDYNASSETLRCEAPRPPQPTVV 180  
DB 121 QLTDAQTYKCYIITSKKGKGNANLEYKTCGAFSPMPVNVYDYNASSETLRCEAPRPPQPTVV 180  
QY 181 WASQVDQGANFSEVSNSTSFELNSENVTKVSVLYNVTINNTYSCMIENDIAKATGDIKV 240  
DB 181 WASQVDQGANFSEVSNSTSFELNSENVTKVSVLYNVTINNTYSCMIENDIAKATGDIKV 240  
QY 241 TESEIKRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMK 282  
DB 241 TESEIKRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMK 282

RESULT 12  
ID ABP30901 standard; protein; 282 AA.  
XX AC ABP30901;  
XX DT 02-JUL-2002 (first entry)  
XX DE OSE protein #2.  
XX KW Human; immunostimulant; cytostatic; cancer; ovarian carcinoma.  
XX OS Homo sapiens.  
XX XX WO200206317-A2.  
XX PD 24-JAN-2002.  
XX PF 17-JUL-2001; 2001WO-US022635.  
XX PR 17-JUL-2000; 2000US-00617747.  
XX PR 10-AUG-2000; 2000US-00636801.  
XX PR 20-SEP-2000; 2000US-00667857.  
XX PR 04-APR-2001; 2001US-00827271.  
XX PR 18-JUN-2001; 2001US-00884441.  
XX XX (CORI-) CORIXA CORP.  
XX XX Mitcham JL, King GE, Algate PA, Fling SP, Retter MW, Fanger GR;  
XX PI Reed SG, Vedwick TS, Carter D, Hill P, Albone E;  
XX XX WPI; 2002-164781/21.  
XX DR N-PSDB; ABN72971.  
XX PT Polypeptides comprising an immunogenic portion of an ovarian carcinoma  
XX PT protein or its variants, useful for stimulating an immune response in a  
XX PT patient and treating ovarian cancer.  
XX PS Claim 34; Page 321-322; 408pp; English.  
XX XX This invention relates to polypeptides comprising an immunogenic portion  
XX CC of an ovarian carcinoma protein which acts as an immunostimulant and is  
XX CC cytostatic. The polypeptides, polynucleotides, antibodies, fusion  
XX CC proteins, T cell populations and antigen presenting cells that express  
XX CC the polypeptides are useful for stimulating an immune response in a  
XX CC patient and treating ovarian cancer. This sequence represents protein  
XX CC related to the invention  
XX SQ Sequence 282 AA;

Query Match 100.0%; Score 1431; DB 5; Length 282;  
Best Local Similarity 100.0%; Pred. No. 3.9e-118; Indels 0; Gaps 0;  
Matches 282; Conservative 0; Mismatches 0;

QY 1 MASLQQLFWISIIIIILAGAILIIGFGISGRHSITVTTVASAGNIGEDGILSCFEP 60  
DB 1 MASLQQLFWISIIIIILAGAILIIGFGISGRHSITVTTVASAGNIGEDGILSCFEP 60



PA (AMGE-) AMGEN INC.  
 XX Fox M, Sullivan JK, Fang M;  
 PI WPI; 2002-171639/22.  
 XX N-PSDB; AAD29253.  
 DR Novel B7-like polypeptides, polynucleotides and their modulators useful  
 PT for prevention and treatment of reproductive, immune and proliferative  
 PT disorders, e.g. cancer, arteriosclerosis.  
 XX Claim 13; Fig 1A-1B; 133pp; English.  
 PS  
 CC The present invention relates to an isolated B7-like (B7-L) polypeptide  
 CC and its polynucleotide. B7-1 and its modulators are useful for treating  
 CC reproductive disorders (e.g. infertility, miscarriage, preterm labour and  
 CC delivery and endometriosis) and proliferative disorders. Antibodies, of  
 CC soluble proteins comprising extracellular domains and other regulators of  
 CC B7-L are useful for enhancing the immune response to tumours. B7-1 plays  
 CC a role in growth and maintenance of cancer cells based on the observation  
 CC of seminal vesicle hyperplasia in transgenic mice overexpressing B7-1.  
 CC Modulators of B7-1 are useful for the treatment of cancer e.g. seminal  
 CC vesicle, lung, brain, breast, ovarian, testicular cancer and cancers of  
 CC haematopoietic system. B7-1 and their modulators are useful to treat  
 CC autoimmune diseases such as systemic lupus erythematosus, rheumatoid  
 CC arthritis, immune thrombocytopenic purpura and psoriasis, chronic  
 CC inflammatory disease such as inflammatory bowel disease (Crohn's disease  
 CC and ulcerative colitis), Grave's disease, Hashimoto's thyroiditis and  
 CC diabetes mellitus. They are also useful as immunosuppressive agents for  
 CC bone marrow and organ transplantation or to prolong graft survival.  
 CC Modulators of B7-L are also useful for diagnosis and treatment of  
 CC diseases involving abnormal cell proliferation, arteriosclerosis and  
 CC vascular stenosis. Soluble B7-L serves as vaccine adjuvants.  
 CC Antagonists of B7-L are useful for alleviation of toxic shock syndrome or  
 CC allosteric sensitisation due to blood transfusions, and for treatment of  
 CC multiple sclerosis, allergy, asthma and hypersensitivity reactions,  
 CC nephropathies (e.g. glomerulonephritis), skin disorders (pemphigus and  
 CC pemphigoid), endocrinopathies, various neuropathies, vasculopathies,  
 CC coeliac disease, anaemia, thrombocytopaenia, Guillain-Barre syndrome and  
 CC myasthenia gravis, and lymphoproliferative disorders such as multiple  
 CC myeloma. B7-L gene is useful in gene therapy and to map the locations of  
 CC B7-L gene and related genes on chromosomes, as hybridisation probes in  
 CC diagnostic assays, for isolating corresponding chromosomal B7-L genes,  
 CC and to identify heritable tissue-degenerating diseases. The present  
 CC sequence is human B7-L protein  
 XX  
 SQ Sequence 282 AA;  
 Query Match 100.0%; Score 1431; DB 5; Length 282;  
 Best Local Similarity 100.0%; Pred. No. 3.9e-118;  
 Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MASLGQILFWSIISIIIIILAGAILIIGFGISGRHSITVTVASAGNIGEDGILSCTFEP 60  
 DB 1 MASLGQILFWSIISIIIIILAGAILIIGFGISGRHSITVTVASAGNIGEDGILSCTFEP 60  
 QY 61 DIKLSDIVIOMLKEGVGLVHFEKGEKDELSEQDEMFRGRTAVFADQVIVGNASRLKNV 120  
 DB 61 DIKLSDIVIOMLKEGVGLVHFEKGEKDELSEQDEMFRGRTAVFADQVIVGNASRLKNV 120  
 QY 121 QLTADAGTKYCIITISKGKGNANLEYKTGAFSPMEVNDYNASSLTLRCEAPRWFPTTV 180  
 DB 121 QLTADAGTKYCIITISKGKGNANLEYKTGAFSPMEVNDYNASSLTLRCEAPRWFPTTV 180  
 QY 181 WASQVDQGANFSEVENTSFELNSENVTWKVSVLVNNTVNTNNTSCMIENDIAKATGIKV 240  
 DB 181 WASQVDQGANFSEVENTSFELNSENVTWKVSVLVNNTVNTNNTSCMIENDIAKATGIKV 240  
 QY 241 TESEIKRSHLQLLNKSASLCVSSPFAISWALLPLSLMLK 282  
 DB 241 TESEIKRSHLQLLNKSASLCVSSPFAISWALLPLSLMLK 282

RESULT 15  
 ABB09879  
 ID ABB09879 standard; protein; 282 AA.  
 XX  
 AC ABB09879;  
 XX  
 DT 30-JUL-2002 (first entry)  
 XX  
 DE Amino acid sequence of the OREO gene (gene B).  
 XX  
 KW Human; gene A; ovarian tumour; gene B; OREO; ovarian cancer.  
 XX  
 OS Homo sapiens.  
 XX  
 FH Key Location/Qualifiers  
 FT Domain 12..31  
 FT /note= "predicted transmembrane domain"  
 FT Domain 46..145  
 FT /note= "predicted Ig domain"  
 FT Modified-site 112  
 FT /note= "N-glycosylation site"  
 FT Modified-site 160  
 FT /note= "N-glycosylation site"  
 FT Modified-site 190  
 FT /note= "N-glycosylation site"  
 FT Modified-site 196  
 FT /note= "N-glycosylation site"  
 FT Modified-site 205  
 FT /note= "N-glycosylation site"  
 FT Modified-site 216  
 FT /note= "N-glycosylation site"  
 FT Modified-site 220  
 FT /note= "N-glycosylation site"  
 XX WO200194641-A2.  
 XX 13-DEC-2001.  
 XX 11-JUN-2001; 2001WO-US018700.  
 XX 09-JUN-2000; 2000US-0210451P.  
 XX (IDEC-) IDEC PHARM CORP.  
 XX Ople E, McLachlan K, Heard C;  
 XX WPI; 2002-404365/43.  
 DR N-PSDB; ABL56582.  
 XX New polynucleotide and corresponding antigens from human ovarian cancer  
 PT cells, useful for treatment and diagnosis of ovarian cancer.  
 XX  
 PS Claim 12; Fig 7b; 71pp; English.  
 XX  
 CC The present sequence represents a protein designated OREO. The OREO (Ople  
 CC RDA of Epithelial Tissue vs. Ovary tumour) gene is a novel gene, also  
 CC designated gene B. This gene was identified by representational  
 CC difference analysis (RDA) screening, and is selectively expressed by  
 CC certain human ovarian tumours. The specification also describes gene A,  
 CC identified by the same method. Gene A and B polynucleotides are useful  
 CC for detecting ovarian cancer. Their polypeptides are useful for treating  
 CC ovarian cancer  
 XX  
 SQ Sequence 282 AA;  
 Query Match 100.0%; Score 1431; DB 5; Length 282;  
 Best Local Similarity 100.0%; Pred. No. 3.9e-118;  
 Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MASLGQILFWSIISIIIIILAGAILIIGFGISGRHSITVTVASAGNIGEDGILSCTFEP 60  
 DB 1 MASLGQILFWSIISIIIIILAGAILIIGFGISGRHSITVTVASAGNIGEDGILSCTFEP 60

QY	61	DIKLSDIVIOWLKEGVLGLVHEFKEGKDELSEQDENFRGRTAVFADQVIVGNASLRLKXV	120
Db	61	DIKLSDIVIOWLKEGVLGLVHEFKEGKDELSEQDENFRGRTAVFADQVIVGNASLRLKXV	120
QY	121	QLTDACTYKCYIITSKGKNANLEYKTGAFSPMEVNVNDYNASSETLRCEAPRWPQPTVV	180
Db	121	QLTDACTYKCYIITSKGKNANLEYKTGAFSPMEVNVNDYNASSETLRCEAPRWPQPTVV	180
QY	181	WASQVDOGANPSEVNTSPFELNSENVTMKVSVLYNVNTIINTYSCMIENDIAKATGDIKV	240
Db	181	WASQVDOGANPSEVNTSPFELNSENVTMKVSVLYNVNTIINTYSCMIENDIAKATGDIKV	240
QY	241	TESEIKRRSHLOLNSKASLCVSSPFAISWALLPLSPYIMLK	282
Db	241	TESEIKRRSHLOLNSKASLCVSSPFAISWALLPLSPYIMLK	282

Search completed: May 28, 2004, 14:34:07  
Job time : 62 secs